

Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 1 Change Effective Date: 02/02/2016

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors- Hewlett Packard Company Contract Period: Beginning January 01, 2015 and Ending January 04, 2017

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

Please reference the attached updated price list which includes the following change.

• Workstation 1 : The HP Z230 has is being replaced by the HP Z240

Annondia	Workstation 1 Boguiromanta	Requirements for	Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Cost
Appendix C	- Workstation 1 Requirements	Workstation 1 with Monitor	HP Z240 Tower Workstation	\$ 1,493.00	\$ 393.56	\$ 1,574.24
Chassis	Form Factor	Desktop-MiniTower	Minitower			
Chassis	Maximum Size	15.7x6.7x17.4	15.7 x 6.7 x 17.4 in			
	Processor Brand	Intel	Intel			
Processor	Minimum Processor Class	Core i7	Core i7			
110063301			3.4 GHz - Intel Core i7-6700 3.4 GHz (up to 3.9 GHz) 8MB			
	Minimum Base Processor Speed	3.4 GHz	84W Intel HD Graphics 6700 4C HT CPU			
	Minimum Memory Size	16GB	16GB (2x8GB) DDR3-1600 nECC Unbuffered RAM			
Memory and Storage	Minimum Hard Drive Capacity	500GB	500GB 7200 RPM SATA			
	Optical Drive Type	DVD+/-RW	Slim SuperMulti DVDRW SATA			
	Minimum Optical Drive Speed	10/	16X			
	Keyboard	USB Multimedia	HP USB Keyboard	1		
			HP Part # A892952 - Mnftr Part # 4FD-00025 - MICROSOFT HARDWARE Microsoft Comfort Mouse 4500			
Input Devices		Full sized, laser USB 5 button	- BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5			
	Mouse	min. including two buttons on	Button(s) – Symmetrical			
		side.	Dutton(3) - Oyninetrical			
			Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data			
			Port; Rear - 2 USB 3.0, 1 USB 2.0; 1 USB 2.0; and Internal - 1 USB			
			3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0			
			x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP			
			Internal USB Port Kits plus one USB 3.0 Media Card			
	Minimum total USB Ports	8 (2 Front Mount)	Reader.			
	Minimum USB 3.0 Ports	4 (2 Frount Mount)	Four (4)			
	VGA Port	none	none			
	DVI Port	1	One (1) with NVIDIA Quadro K2000 2GB Graphics card			
	DP Port	2	Two (2) with NVIDIA Quadro K2000 2GB Graphics card			
	RJ-45 Port	1	One (1) RJ-45 to integrated GBE			
	Audio In/Out Ports	1/1	1 Audio Line-in, and 1 Audio Line-out			
	Mic I AN	1	One (1) Microphone			
	LAN Speakers	1 GB NIC	One (1) GB NIC			
	Speakers		Internal			
	On another a Counterry	Windows 7 Professional SP1, 64-bit	Microsoft Windows 7 Professional Edition 64bit OS			
	Operating System	2 GB NVIDIA Quadro K2000	NVIDIA Quadro K620 2GB DL-DVI(I)+DP+DP 1st No			
			cables included Graphics - added 2DP-DVI and 1DVI-VGA			
	Video/Graphics Card	1DVI-VGA adapter)	adapters			
	Chipset	Intel® 8 Series (C226)	Intel® PCH C226 (Intel® C226 chipset)			
			The HP Z230 workstations support Intel vPro technology			
			when purchased with a vPro technology capable CPU:			
			Intel® Xeon® processor E3-1200v3 family or 4th			
			Generation Intel Core i5/i7 processors with Intel VT and			
Other	Management	Intel vPro Technology Enabled	Intel TXT technology			
		Independent Software Vendor				
	Certification	certified (ISV)	Yes			
	Sound Card	Integrated	Integrated			
	Documentation EPEAT Silver	Diagnostics and Drivers DVD Meet or exceed	Windows 7 Professional 64-bit OS DVD + Driver DVD Yes - EPEAT Gold registered in the U.S.			
	EPEAT Silver Energy Star	Meet or exceed Meet or exceed	Yes - EPEAT Gold registered in the U.S. Yes - HP ENERGY STAR Qualified Configuration			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
			HP Care Pack: 9x5 4-Hour Response On-Site Coverage			
		On-site service. 12 business-	(with or without Disk Retention available), 4 Yrs [use Disk			
	Service	hour fix	Retention Care Pack]			
	Flat Panel Display	External	Yes			
	Minim Size	23 inch	HP EliteDisplay E231i 23-in IPS LED Backlit Monitor			
Display	Minimum Resolution	1920 x 1080	1920 x 1080			
1.9	Titlt Capability	Yes	Yes (Tilt: -5 to +30°; Swivel ±360°; Pivot rotation 90°)			
	VGA Interface	1 minimum	1 VGA; 1 DVI-D; 1 DisplayPort 1.2 1 VGA; 1 DVI-D; 1 DisplayPort 1.2			
	DVI Interface	1 minimum				

Options Workstation 1	Proposed Model Option	Purchase Cost	Annual Lease Cost	Total Lease Cost
Processor	Intel Core i7-4790 3.6 GHz (up to 4.0 GHz) 8MB 84W Intel HD Graphics 4600 4C HT CPU (G5L77AV)	277	72.85	291.38
Memory	16GB (2x8GB) DDR3-1600 nECC Unbuffered RAM (D5G55AV)	224	58.91	235.63
Hard Drive Operating System External Keyboard External Mouse				
External Monitor 1920 x1080	HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, Titt -5 to +300°; Swivel 360°; Pivot rotation 90°, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	189	48.04	192.18
Bluetooth Speakers		109	48.04	192.16
Serial Port	HP Serial Port Adapter Kit (D5H83AV) Windows 7 Professional 64-bit	5	1.31	5.26
System Recovery Media	OS DVD + Driver DVD (E5X75AV) - included in base configuration	4	1.05	4.21

	Monitors without Workstation Purchase								
	Monitor		Proposed Model and Capability (Note: these are the HP Z Performance Displays [Z23i, Z24i, Z27i, Z30i] - the HP Elite Displays are also listed below)	Purchase Cost	Annual Lease Cost	Total Lease Cost			
Flat Panel	23"	1920 x 1080 DVL and VCA interface	HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 189.00	\$ 48.04	\$ 192.18			
	24"	1920 x 1080	HP Z Display Z24i 24-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 264.00	\$ 65.84	\$ 263.35			
	27*	1920 x 1080 DVI and VGA interface	HP Z Display Z27i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1440, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 486.00	\$ 123.54	\$ 494.16			
		2560 x 1600	HP Z Display Z301 30-inch IPS LED Backlif Monitor (ENERGY STAR), 2560 x 1600, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 997.00	\$ 253.44	\$ 1,013.75			

Note: also added HP Elite Displays (23",24",27") below:

	23"		HP EliteDisplay E231i 23-in IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DVI-D; 1 DisplayPort 1.2	\$	165.00	\$ 41.9	91	\$ 167.77
Flat Panel	24"	1920 x 1080 DVI and VGA interface	HP EliteDisplay E241i 24-in IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort 1.2 (with HDCP support)	s	212.00	\$ 53.8	39	\$ 215.56
	27*	1920 x 1080 DVI and VGA interface	HP EliteDisplay E271i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort (with HDCP support)	s	244.00	\$ 62.0)2	\$ 248.10

Annondix C	Warkstation 2 Paguiromanta	Requirements for	Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Cost
Appendix C-	Workstation 2 Requirements	Workstation 2 with Monitor	HP Z Book 15 G2 Mobile Workstation (15.6")	\$ 1,856.00	\$ 489.24	\$ 1,956.96
Chassis	Form Factor	Desktop-MiniTower	Notebook (Mobile Workstation - 15.6 inch LED, 1920x1080)			
ondollo	Maximum Size	15.7x6.7x17.4	1.2 in (at front)/1.4 in (at rear) x 15.0 in x 10.1 in			
	Processor Brand	Intel	Intel			
	Minimum Processor Class	Core i7	Core i7	_		
Processor			4th Generation Intel® Core™ i7-4810MQ (2.8 GHz, 1600MHz,			
			6 MB L3 cache, 4 cores, 47W) - Up to 3.80 GHz with Intel			
	Minimum Base Processor Speed	3.4 GHz	Turbo Boost Technology			
	Minimum Memory Size	16GB	16GB 1600MHz DDR3L 4DM			
Memory and Storage	Minimum Hard Drive Capacity	500GB	500GB 7200RPM			
icitiony and otorage	Optical Drive Type	DVD+/-RW	DVD+/-RW SuperMulti DL			
	Minimum Optical Drive Speed	16X	16X			
	Keyboard	USB Multimedia	Dual Point with numeric keypad US			
Innut Douisso		Full sized, laser USB 5 button				
Input Devices	Mouse	min. including two buttons on				
		side.	DIB HP 3-button USB Laser Mouse			
	Minimum total USB Ports	8 (2 Front Mount)	2 USB 3.0, 1 USB 3.0 Charging Port, 1 USB 2.0			
	Minimum USB 3.0 Ports	4 (2 Frount Mount)	2 USB 3.0, 1 USB 3.0 Charging Port			
	VGA Port	none	1 VGA			
			DVI video signal available through DVI port in optional HP			
			Docking Station (sold separately), as well as through			
			DisplayPort to DVI-D; DisplayPort to DVI-D (dual link); and			
	DVI Port	1	DisplayPort to HDMI adapters (sold separately)			
I/O	DP Port	2	1 DisplayPort v1.2			
	RJ-45 Port	1	1 RJ-45 (Ethernet)			
	Audio In/Out Ports	1/1	Audio-out (headphone) jack/Audio in (microphone) jack			
			Integrated microphone (dual-microphone array when equipped			
	Mic	1	with optional webcam)			
	LAN	1 GB NIC	Integrated Intel® I217-LM Gigabit** Network			
	Speakers	Internal	Integrated stereo speakers			
		Windows 7 Professional SP1.				
	Operating System	64-bit	Microsoft Windows 7 Professional 64 US			
			NVIDIA Quadro K2100M Graphics with 2 GB dedicated			
		2 GB NVIDIA Quadro K2000	GDDR5 video memory, or, NVIDIA Quadro K1100M Graphics			
		(2DP and 1DVI-I) (2DP-DVI and	with 2 GB dedicated GDDR5 video memory available (adapters			
	Video/Graphics Card	1DVI-VGA adapter)	are sold separately but are not included)			
	Chipset	Intel® 8 Series (C226)	Mobile Intel® QM87			
	Management	Intel vPro Technology Enabled	Intel Core i7 with vPro technology			
0/1	management	Independent Software Vendor				
Other	Certification	certified (ISV)	Yes			
	Sound Card	Integrated	Integrated	•		
	Documentation	Diagnostics and Drivers DVD	Win7 Driver DVD	1		
	EPEAT Silver	Meet or exceed	Yes - EPEAT®			
	Energy Star	Meet or exceed	Yes - US ENERGY STAR ®			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
			HP Care Pack: UG841E - HP 4y NBD Onsite/Defective Media	•		
		On-site service. 12 business-	Retention NB SVC (for HP ZBook 3-3-3 mobile workstation			
	Service	hour fix	notebooks)			
	Flat Panel Display	External	Yes	1		
	Minim Size	23 inch	HP EliteDisplay E231i 23-in IPS LED Backlit Monitor			
	Minimum Resolution	1920 x 1080	1920 x 1080			
Display	Titlt Capability	Yes	Yes (Tilt: -5 to +30°; Swivel ±360°; Pivot rotation 90°)			
	VGA Interface	1 minimum	1 VGA; 1 DVI-D; 1 DisplayPort 1.2			
	DVI Interface	1 minimum	1 VGA; 1 DVI-D; 1 DisplayPort 1.2			

Opt	ions Workstation 2	Proposed Model Option	Purchase Cost	Annual Lease Cost	Total Lease Cost
Processor					
Memory					
Hard Drive					
Operating System External Keyboard					
External Mouse					
External Monitor 1920 x1080					
Bluetooth					
Speakers Serial Port					
Senar Pon					
System Recovery Media					

	Monitors without Workstation Purchase									
	Monitor		Proposed Model and Capability (Note: these are the HP Z Performance Displays [Z23i, Z24i, Z27i, Z30i] - the HP Elite Displays are also listed below)	Purchase	Cost Annual Lease Cost T		Total Le	ease Cost		
	23"		HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 18	9.00	\$ 48.04	\$	192.18		
	24"		HP Z Display Z24i 24-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 25	9.00	\$ 65.84	\$	263.35		
Flat Panel	27"		HP Z Display Z27i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1440, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 48	6.00	\$ 123.54	\$	494.16		
	30"	2560 x 1600 DVI and VGA interface	HP Z Display Z30i 30-inch IPS LED Backlil Monitor (ENERGY STAR), 2560 x 1600, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 99	7.00	\$ 253.44	\$	1,013.75		

Note: also added HP Elite Displays (23",24",27") below:

	23"	HP EliteDisplay E231i 23-in IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DVI-D; 1 DisplayPort 1.2		5.00	\$ 41.94	\$ 167.77
	24"	HP EliteDisplay E241i 24-in IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort 1.2 (with HDCP support)		2.00	\$ 53.89	\$ 215.56
	27"	HP EliteDisplay E271i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort (with HDCP support)	\$ 24	4.00	\$ 62.02	\$ 248.10

	Services		
	Purchase Cost	Annual Lease Cost	Total Lease Cost
Installation	76.00	20.39	81.56
Image Deployment	11.00	2.95	11.80
Asset Tagging	5.00	1.34	5.37
10 GB Data Transfer	33.00	8.85	35.41
Preparation for shipment	19.00	5.10	20.39
Relocation in same building	48.00	12.88	51.51
Relocation within 25 miles	61.00	16.37	65.46
Relocation outside 25 miles	66.00	17.71	70.83
Transport to DGS Warehouse	21.00	5.63	22.54
Image Development	2,968.00	796.26	3,185.02
Bundle - Install, Image Deploy, Tag	79.00	21.19	84.78
On-premise Disk Wipe	56.00	15.02	60.09
Off-premise Disk Wipe	13.00	3.49	13.95



Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 2 Change Effective Date : 12/20/2016

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors- Hewlett Packard Company Contract Period: Beginning January 05, 2017 and Ending January 04, 2018

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

The Commonwealth is exercising its option to renew the Workstation Computing Devices & Monitors contract between the Commonwealth of Pennsylvania and HP INC. Section I-15 Term of Contract states:

"The contracts resulting from this IFB will commence on the effective date, as defined in **Appendix A –Terms and Conditions**, and will end in two (2) years, with three (3) one (1) year renewal options. The Commonwealth, in its sole discretion, may renew the contracts. Renewals may be for single or multiple year terms."

The Commonwealth is renewing the contract for one (1) year. The new termination date of the contract will be January 04, 2018.



December 16,2016

SUBJECT: Renewal of Contract # 4400014042 Contract Title: Workstation Computing Devices & Monitors Term of Renewal: January 05, 2017 to January 04, 2018 Renewal Security Required: Yes Xo

Dear Mr. Lesko:

The Commonwealth is exercising its option to renew the Personal Computing Devices, Monitors and Services contract between the Commonwealth of Pennsylvania and HP INC.

Section I-15 Term of Contract states:

"The contracts resulting from this IFB will commence on the effective date, as defined in **Appendix A – Terms and Conditions**, and will end in two (2) years, with three (3) one (1) year renewal options. The Commonwealth, in its sole discretion, may renew the contracts. Renewals may be for single or multiple year terms."

The Commonwealth is renewing the contract for one (1) year. The new termination date of the contract will be January 04, 2018.

The Commonwealth is requesting your acknowledgement of the contract renewal. Please confirm your acknowledgement by completing the bottom section of this letter and emailing a copy to me by close of business December 22, 2016.

Thank you for your prompt response. If you have any questions, please contact me at 717-346-3827 or riaime@pa.gov.



I acknowledge the renewal of the above referenced contract for the above stated Term of Renewal, that all terms and conditions in the contract shall remain in full force.

Yes_	X No	
Signa	ture _	
Title_	Contract Administrator	0

Office of Administration | 506 Finance Building, 5th floor | Harrisburg, PA 17120 | www.oit.state.pa.us



Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 3 Change Effective Date : 05/08/2017

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors- HP Inc Contract Period: Beginning January 05, 2017 and Ending January 04, 2018

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

Please reference the attached updated price list which includes the following change.

Workstation 2

• The HP ZBook 15U has been replaced with the HP ZBook 14 G2

Fill in the sheet with Workstations for which a Bid is being submitted. All green and yellow cells must have entries for the Bid to be acceptable.

For Base Models:

- 1 Models must meet all the minimum requirements specified in this section.
- 2 Fill in all yellow capability cells. If the model meets the value in the requirement column, place an "X." If the model exceeds the value in the requirements column, enter the actual value.
- 3 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for the model proposed .
- 4 Do not fill in any shaded cells.

For Options:

- 1 If the model can be upgraded to the optional capability, enter the option in the Proposed Model Option column (yellow), enter the purchase price, annual lease price, and total lease price for the option in the green cost cells.
- 2 If the model already includes the capability in the base model price, enter "Included" in the green cost cells.
- 3 If the model cannot be upgraded to the optional capability, enter "Not available" in the green cost cells.
- 4 Do not fill in any shaded cells.

For Services: 1 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for each service listed.

• • • • • • •	Westerie d. Demoissure	Requirements for	Proposed Model and Capability	Purchase Cos	t Annual Lease Cost	Total Lease Cost
Appendix C	- Workstation 1 Requirements	Workstation 1 with Monitor	HP Z240 Tower Workstation	\$ 1.435.00	\$ 374.41	\$ 1.497.54
	Form Factor	Desktop-MiniTower	Minitower	¢ 1,100.00	••	
Chassis	Maximum Size	15.7x6.7x17.4	15.7 x 6.7 x 17.4 in			
	Processor Brand	Intel	Intel			
	Minimum Processor Class	Core i7	Core i7			
Processor	Wining The Cost of Cidas	COLET	3.4 GHz - Intel Core i7-6700 3.4 GHz (up to 3.9 GHz) 8MB			
	Minimum Base Processor Speed	3.4 GHz	84W Intel HD Graphics 4600 4C HT CPU			
	Minimum Memory Size	16GB	16GB (4x4GB) DDR3-1600 nECC Unbuffered RAM			
Memory and Storage	Minimum Hard Drive Capacity	500GB	500GB 7200 RPM SATA			
	Optical Drive Type	DVD+/-RW	Slim SuperMulti DVDRW SATA			
	Minimum Optical Drive Speed	16X	16X			
	Keyboard	USB Multimedia	HP USB Keyboard			
			HP Part # A892952 - Mnftr Part # 4FD-00025 -			
nput Devices		Full sized, laser USB 5 button	MICROSOFT HARDWARE Microsoft Comfort Mouse 4500			
nput Devices	Mouse	min, including two buttons on	- BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5			
		side.	Button(s) – Symmetrical			
			Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data	•		
			Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB			
			3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0			
			x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP			
			Internal USB Port Kits plus one USB 3.0 Media Card			
	Minimum total USB Ports	8 (2 Front Mount)	Reader.			
	Minimum USB 3.0 Ports	4 (2 Frount Mount)				
			Four (4)			
	VGA Port	none				
	DVI Port	1	One (1) with NVIDIA Quadro K2000 2GB Graphics			
	DP Port	2	Two (2) with NVIDIA Quadro K2000 2GB Graphics			
	RJ-45 Port	1	One (1) RJ-45 to integrated GBE			
	Audio In/Out Ports	1/1	1 Audio Line-in, and 1 Audio Line-out			
	Mic	1	One (1) Microphone			
	LAN	1 GB NIC	One (1) GB NIC			
	Speakers	Internal	Internal			
	Operating System		Microsoft Windows 10 Professional Edition 64bit OS			
		2 GB NVIDIA Quadro K2000	NVIDIA Quadro K620 2GB DL-DVI(I)+DP+DP 1st No			
		(2DP and 1DVI-I) (2DP-DVI and	cables included Graphics - added 2DP-DVI and 1DVI-VGA			
	Video/Graphics Card	1DVI-VGA adapter)	adapters			
	Chipset	Intel® 8 Series (C226)	Intel® PCH C226 (Intel® C226 chipset)			
			The HP Z240 workstations support Intel vPro technology			
			when purchased with a vPro technology capable CPU:			
			Intel® Xeon® processor E3-1200v3 family or 4th			
			Generation Intel Core i5/i7 processors with Intel VT and			
Other	Management	Intel vPro Technology Enabled	Intel TXT technology			
		Independent Software Vendor				
	Certification	certified (ISV)	Yes			
	Sound Card	Integrated	Integrated			
	Documentation	Diagnostics and Drivers DVD	Windows 10 Professional 64-bit OS DVD + Driver DVD			
	EPEAT Silver	Meet or exceed	Yes - EPEAT Gold registered in the U.S.			
	Energy Star	Meet or exceed	Yes - HP ENERGY STAR Qualified Configuration			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
		, etc. (i) you	HP Care Pack: 9x5 4-Hour Response On-Site Coverage			
		On-site service, 12 business-	(with or without Disk Retention available), 4 Yrs [use Disk			
	Service	hour fix	Retention Care Pack1			
			Yes	İ.		
	Elet Banal Diaplay			1212112121212121212121212121212121212121		
	Flat Panel Display	External	UD EliteDisates E004: 00 is IDO LED Deals 11	•		
	Minim Size	23 inch	HP EliteDisplay E231i 23-in IPS LED Backlit Monitor			
lisplay	Minim Size Minimum Resolution	23 inch 1920 x 1080	1920 x 1080	-		
Display	Minim Size Minimum Resolution Titlt Capability	23 inch 1920 x 1080 Yes	1920 x 1080 Yes (Tilt: -5 to +30°; Swivel ±360°; Pivot rotation 90°)	-		
Display	Minim Size Minimum Resolution	23 inch 1920 x 1080	1920 x 1080			

Optio	ns Workstation 1	Proposed Model Option	Purchase Cost	Annual Lease Cost	Total Lease Cost
Memory Hard Drive Operating System External Keyboard External Mouse		32GB (2x16GB) nECC DDR4- 2133 nECC Unbuffered RAM (D5G55AV)	224.00	58.44	233.76
External Monitor 1920 x1080		HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, Tit: -5 to +30°; Swivel 360°; Pivot rotation 90°, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	189.00	48.01	192.04
Speakers Serial Port		HP Serial Port Adapter Kit (D5H83AV)	5.00	1.31	5.24
System Recovery Media		Windows 7 Professional 64-bit OS DVD + Driver DVD (E5X75AV) - included in base configuration	4.00	1.05	4.20

		Monitors with	out Workstation Purchase			
	Monitor		Proposed Model and Capability (Note: these are the HP Z Performance Displays [Z23i, Z24i, Z27i, Z30i] - the HP Elite Displays are also listed below)			Total Lease Cost
	23"		HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 189.00	\$ 48.01	\$ 192.04
Flat Panel	24"	1920 x 1080 DVI and VGA interface	HP Z Display Z24i 24-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 259.00	\$ 65.79	\$ 263.16
	27*	1920 x 1080 DVI and VGA interface	HP Z Display Z27i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1440, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 486.00	\$ 123.44	\$ 493.76
	30*	2560 x 1600 DVI and VGA interface	HP Z Display Z30130-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1600, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 997.00	\$ 253.24	\$ 1,012.96

ote: also added HP Elite Displays (23",24",27") below:

	1920 x 1080 DVI and VGA interface	HP EliteDisplay E241i 24-in IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort 1.2 (with HDCP support)	\$ 212.00	\$ 53.85	5 \$	5	215.40
	1920 x 1080 DVI and VCA interface	HP EliteDisplay E271i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort (with HDCP support)	\$ 244.00	\$ 61.98	3 \$	\$	247.92

Annondiy C	Workstation 2. Doguizamento	Requirements for	Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Cost
Appendix C-	Workstation 2 Requirements	Mobile Workstation 2 with Integrated Display	HP ZBook 14 G2 Mobile Workstation (14.0")	\$ 1,409.00	\$ 375.09	\$ 1,500.36
Chassis	Form Factor	Notebook	Notebook (Mobile Workstation - 14.0 inch LED, 1920x1080)			
ondoolo	Maximum Size	15.7x6.7x17.4	.83 in x 13.35 in x 9.33 in.			
	Processor Brand	Intel	Intel			
Processor	Minimum Processor Class	Core i7	Core i7			
FIDUESSUI			Intel® Core™ i7-5600U (2.6 GHz, 4 MB cache, 2 cores) - Up			
	Minimum Base Processor Speed	3.4 GHz	to 3.40 GHz with Intel Turbo Boost Technology			
	Minimum Memory Size	16GB	16GB 1600MHz DDR3L 4DM			
Memory and Storage	Minimum Hard Drive Capacity	500GB	500GB 7200RPM			
wernory and Storage	Optical Drive Type	DVD+/-RW	External DVD/RW (Sold Seperately)			
	Minimum Optical Drive Speed	16X	16X			
	Keyboard	USB Multimedia	Dual Point with numeric keypad US			
		Full sized, laser USB 5 button				
Input Devices	Mouse	min. including two buttons on				
	Wouse	side.	DIB HP 3-button Comfort Grip wireless Mouse			
	Minimum total USB Ports	300	3 USB 3.0, 1 USB 3.0 Charging Port, 1 USB 2.0			
	Minimum USB 3.0 Ports	3	3 USB 3.0, 1 USB 3.0 Charging Port			
	VGA Port	4 none	1 VGA			
	VGA PUIL	TIONE	DVI video signal available through DVI port in optional HP			
			Docking Station (sold separately), as well as through DisplayPort to DVI-D; DisplayPort to DVI-D (dual link); and			
/0	D)// D					
	DVI Port	1	DisplayPort to HDMI adapters (sold separately)			
	DP Port	2	1 DisplayPort v1.2			
	RJ-45 Port Audio In/Out Ports	1	1 RJ-45 (Ethernet)			
	Audio In/Out Ports	1/1	Audio-out (headphone) jack/Audio in (microphone) jack			
			Integrated microphone (dual-microphone array when			
	Mic	1	equipped with optional webcam)			
	LAN	1 GB NIC	Integrated Intel® I218-LM Gigabit** Network			
	Speakers	Internal	Integrated stereo speakers			
	Operating System	Windows 7 Professional SP1, 64-bit	Microsoft Windows 10 Professional 64 US			
	Operating System					
		1 GB NVIDIA Quadro K2000				
		(2DP and 1DVI-I) (2DP-DVI	AMD FirePro W4150M Graphics with 1 GB dedicated			
	Video/Graphics Card	and 1DVI-VGA adapter)	GDDR5 video memory.			
	Chipset	Intel® 8 Series (C226)	Mobile Intel® QM87			
	Management	Intel vPro Technology Enabled	Intel Core i7 with vPro technology			
O	Managomont	Independent Software Vendor				
Other	Certification	certified (ISV)	Yes			
	Sound Card	Integrated	Integrated			
	Documentation	Diagnostics and Drivers DVD	Win10 Driver DVD			
	EPEAT Silver	Meet or exceed	Yes - EPEAT®			
	Energy Star	Meet or exceed	Yes - US ENERGY STAR ®			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
	TT GITGITY	i da (i) year	HP Care Pack: UG841E - HP 4v NBD Onsite/Defective Media			
		On-site service, 12 business-	Retention NB SVC (for HP ZBook 3-3-3 mobile workstation			
	Service	hour fix	notebooks)			
	Flat Panel Display	External	Yes			
	Minim Size	23 inch	HP EliteDisplay E231i 23-in IPS LED Backlit Monitor			
	Minim Size Minimum Resolution	23 inch 1920 x 1080	HP EliteDisplay E231i 23-in IPS LED Backlit Monitor 1920 x 1080			
Display		1920 X 1080	Yes (Tilt: -5 to +30°; Swivel ±360°; Pivot rotation 90°)			
	Titlt Capability VGA Interface		Yes (Tilt: -5 to +30°; Swivel ±360°; Privot rotation 90°) 1 VGA: 1 DVI-D: 1 DisplayPort 1.2			
1		1 minimum				
	DVI Interface	1 minimum	1 VGA; 1 DVI-D; 1 DisplayPort 1.2			

Options Workstation 2	Proposed Model Option	Purchase Cost	Annual Lease Cost	Total Lease Cost
	128GB SATA-3 SSD 14	90.00	23.96	95.84
	256GB SATA-3 SSD 14	180.00	47.92	191.68
	512GB SATA-3 SSD 14	360.00	95.84	383.36
	Intel® Core™ i5-5200U (2.2			
	GHz, 3 MB cache, - Up to 2.7			
	GHz with Intel Turbo Boost			
	Technology	452.00	120.33	481.32
	8GB 1600MHz DDR3L 4DM	112.00	29.82	119.28
	HP CO06XL Notebook Battery	150.00	39.93	159.72
	HP USB Keyboard	15.00	3.99	15.96
	HP Comfort Grip Wireless			
	Mouse	15.00	3.99	15.96
	14 LED FHD UWVA AG f With CAM 14 1900X1080	123.00		
	14 LED FHD UWVA f/CAM Touch Screen 14 1900x1080	197.00		
	HP USB External DVDRW	55.44	14.76	59.04
	Drive HP Essential Top Load Case			
		15.00	3.99	15.96
	HP UltraSlim Docking Station	117.04	31.16	124.64
	Fingerprint Reader 14	13.00	3.46	13.84
	HP hs3110 HSPA+ w/GPS	55.00	14.64	58.56
	HP NA-1-S3			
	LTE/EVDO/HSPA+ w/GPS No SVC Provider AMER 14	<u> </u>	29.28 0.27	<u>117.12</u> 1.08

	Monitors without Workstation Purchase										
Monitor		Requirements for	Proposed Model and Capability (Note: these are the HP Z Performance Displays [Z23i, Z24i, Z27i, Z30i] - the HP Elite Displays are also listed below)	Purchase Cost	Annual Lease Cost	Total Lease Cost					
	23"	1920 x 1080 DVI and VGA interface	HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 189.00	\$ 48.01	\$ 192.04					
Flat Panel	24"	1920 x 1080 DVI and VGA interface	HP Z Display Z24i 24-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 259.00	\$ 65.79	\$ 263.16					
	27"	1920 x 1080 DVI and VGA interface	HP Z Display Z27i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1440, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 486.00	\$ 123.44	\$ 493.76					
	30"	2560 x 1600 DVI and VGA interface	HP Z Display Z30i 30-inch IPS LED Backiit Monitor (ENERGY STAR), 2560 x 1600, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 997.00	\$ 253.24	\$ 1,012.96					

Note: also added HP Elite Displays (23",24",27") below:

	1920 x 1080 DVI and VGA interface	HP EliteDisplay E241i 24-in IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort 1.2 (with HDCP support)	12.00	\$ 53.85	\$ 215.40
	1920 x 1080 DVI and VGA interface	HP EliteDisplay E271i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort (with HDCP support)	44.00	\$ 61.98	\$ 247.92

	Services		
	Purchase Cost	Annual Lease Cost	Total Lease Cost
Installation	76.00	20.46	81.84
Image Deployment	11.00	2.96	11.84
Asset Tagging	5.00	1.35	5.40
10 GB Data Transfer	33.00	8.88	35.52
Preparation for shipment	19.00	5.12	20.48
Relocation in same building	48.00	12.92	51.68
Relocation within 25 miles	61.00	16.42	65.68
Relocation outside 25 miles	66.00	17.77	71.08
Transport to DGS Warehouse	21.00	5.65	22.60
Image Development	2,968.00	798.96	3,195.84
Bundle - Install, Image Deploy, Tag	79.00	21.27	85.08
On-premise Disk Wipe	56.00	15.08	60.32
Off-premise Disk Wipe	13.00	3.50	14.00



Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 4 Change Effective Date : 01/02/2018

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors

Contract Period: Beginning January 05, 2015 and Ending January 04, 2019

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

The Commonwealth is exercising its option to renew the Workstation Computing Devices & Monitors contract between the Commonwealth of Pennsylvania and HP INC. Section I-15 Term of Contract states:

"The contracts resulting from this IFB will commence on the effective date, as defined in **Appendix A –Terms and Conditions**, and will end in two (2) years, with three (3) one (1) year renewal options. The Commonwealth, in its sole discretion, may renew the contracts. Renewals may be for single or multiple year terms."

The Commonwealth and HP INC have agreed upon a 1 percent decrease in purchase cost for equipment and options for Workstation 1 and Workstation 2.

The Commonwealth is renewing the contract for one (1) year. The new termination date of the contract will be January 04, 2019.

Fill in the sheet with Workstations for which a Bid is being submitted. All green and yellow cells must have entries for the Bid to be acceptable.

For Base Models:

- 1 Models must meet all the minimum requirements specified in this section.
- 2 Fill in all yellow capability cells. If the model meets the value in the requirement column, place an "X." If the model exceeds the value in the requirements column, enter the actual value.
- 3 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for the model proposed .
- 4 Do not fill in any shaded cells.

For Options:

- 1 If the model can be upgraded to the optional capability, enter the option in the Proposed Model Option column (yellow), enter the purchase price, annual lease price, and total lease price for the option in the green cost cells.
- 2 If the model already includes the capability in the base model price, enter "Included" in the green cost cells.
- 3 If the model cannot be upgraded to the optional capability, enter "Not available" in the green cost cells.
- 4 Do not fill in any shaded cells.
- For Services: 1 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for each service listed.

Chassis Form F Maxim Processor Minimu Memory and Storage Minimu Keyboa Input Devices Mouse	num Size sesor Brand num Processor Class num Mase Processor Speed num Memory Size al Drive Capacity al Drive Capacity al Drive Speed ard se num total USB Ports num USB 3.0 Ports	Workstation 1 with Monitor Desktop-MiniTower 15.7x6.7x17.4 Intel Core i7 3.4 GHz 15GB 500GB D/D+r-RW 168 USB Muttmedia SUSB Muttmedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	HP Z240 Tower Workstation Minitower 15.7 x 67 x 17.4 in Intel Core i7 3.4 GHz - Intel Core i7-6700 3.4 GHz (up to 3.9 GHz) 8MB 84W Intel HD Graphics 4600 4C HT CPU 1656 (4x468) DDR3-1600 ACEC Unbuffered RAM 5006B 7200 RPM SATA 1555 HP USB Keyboard HP Part # A892532 - Mintr Part # 4FD-00025- MICROSOFT HADDWARE Microsoft Comfort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) – Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2X10 (3.0 x1, 2.0 x1) and 226 (2.0 x2) headers: supports 1 HP Internal USB Port Kits pus one USB 3.0 Media Card Reader.	\$ 1,420.00	\$ 374.15	3 1.496.60
Critissis Maxim Processor Minimu Memory and Storage Minimu Memory and Storage Minimu Input Devices Mouse Input Devices Mouse	num Size sesor Brand num Processor Class num Mase Processor Speed num Memory Size al Drive Capacity al Drive Capacity al Drive Speed ard se num total USB Ports num USB 3.0 Ports	15 7x6 7x17.4 Intel Core i7 3.4 GHz 160B 500GB DVD-4/RW 16X USB Mutimedia USB Mutimedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	15.7 x 6.7 x 17.4 in Intel Core 17 3.4 GH2 - Intel Core 17-5700 3.4 GH2 (up to 3.9 GH2) 8MB 34W Intel HD Graphics 4600 4C HT CPU ISGB (4x4GB) DDR2-1600 NECC Unbuffered RAM 500GB 7200 RPM SATA Sim SuperMult DVDRW SATA 10 HP LSB Keyboard HP Part # AB2955 - Mnthr Part # 4FD-00025 - MICROSOFT HARDWARE Microsoft Comfort Mouse 4500 Billefrack - Cable - USB - 1000 dpi - Tit Wheel - 5 Button(s) - Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 charging Data Port, Rear - 2 USB 3.0, 1 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Maxim Processor Minimu Memory and Storage Minimu	essor Brand	Intel Core 17 3 4 GHz 1626 Stock Sto	Intel Core 17 3.4 GHz - Intel Core i7-5700.3.4 GHz (up to 3.9 GHz) 8MB 84W Intel HD Graphics 4600.4C HT CPU 1669 (4x468) DDR3-1600 nECC Unbuffered RAM 50068 7200 RPM SATA Sim SuperMult DVDRW SATA 18X HP USB (kxybard HP USB (kxybard HP Dart # A892552- Mnftr Part # 4FD-0025- MICROSOFT HADDWARE Microsoft Control Mouse 4500. - BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) - Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal -1 USB 3.0 and USB 2.0 ports available as 2 separate 2x10 (3.0 1.2, 0.1) and 25 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Processor Minimu Memory and Storage Minimu Memory and Storage Keyboa Input Devices Mouse Mouse Minimu	num Processor Class num Base Processor Speed num Memory Size inum Memory Size il Drive Capacity il Drive Capacity il Drive Speed aard ise num total USB Ports inum USB 3.0 Ports i	Core I7 3.4 GHz 16GB 000-B 000-B 000-B 000-B 000-B 000-B 00-B	Core 17			
Minimum Memory and Storage Minimu Memory and Storage Minimum Keyboa Input Devices Mouse Minimum Minimum	num Base Processor Speed inum Memory Size inum Nemory Size al Drive Type al Drive Type and Type and Type and Type and Type se num total USB Ports inum USB 3.0 Ports inum USB 3.0 Ports inum Nemory Speed inum USB 3.0 Ports i	3.4 GHz 16GB 500GB DVD+/RW 15X USB Multimedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	34 GHz - Intel Core 17-6700 3.4 GHz (up to 3.9 GHz) 8MB 84W Intel HO Carphis 4600 46 HT CPU 16CB (4x4GB) DDR3-1600 nECC Unbuffered RAM 500GB 7200 RPM SATA 153 HP USB Keyboard HP Part # A892952 - Mnttr Part # 4FD-00025 - MICROSOFT HARDWARE Microsoft Contort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) – Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 + 1, 2.0 X1) and 2x1 (2.0 X2) Aeaders: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Minimu Memory and Storage Minimu Minimu Keyboa Input Devices Mouse <u>Minimu</u> Minimu	num Menory Size num Hard Drive Capacity al Drive Type Capacity al Drive Type and the Speed and and and and and and and and and an	1968 50068 DVD+/RW 16X USB Multimedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	GAW Intel HD Graphics 4600 4C HT CPU IGSR (4xdsB) DRR3-1600 nECC Unbuffered RAM 5006B 7200 RPM SATA Sim SuperMulti DVDRW SATA 10X HP USB Keyboard HP Part # AB29562 - Mnftr Part # 4FD-00025 - MICROSOFT HARDWARE Microsoft Comfort Mouse 4500 Bluefrak- Cable - USB - 1000 dpi - Tit Wheel - 5 Butro(s) - Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 charging Data Port, Rear - 2 USB 3.0, 1 USB 2.0, and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 1.2, 0.X1) and 2XE (2.0.X2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Modia Card			
Memory and Storage Menimu Optical Menimu Keyboa Input Devices Mouse Menimu Minimu	num Menory Size num Hard Drive Capacity al Drive Type Capacity al Drive Type and the Speed and and and and and and and and and an	1968 50068 DVD+/RW 16X USB Multimedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	16GB (4x4GB) DDR3-1600 nECC Unbuffered RAM 500GB 7200 RPM SATA 500GB 7200 RPM SATA 16X HP USB Keyboard HP Dart # AB92952 - Mnftr Part # 4FD-00025 - MICROSOFT HARDWARE Microsoft Comfort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) – Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 1, 2.0 X1) and 2x12 (2.0 X2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Memory and Storage Optical Minimu Input Devices Mouse Mouse Minimu Minimu	num Hard Drive Capacity 1 I all Drive Type I all Drive Type I all Drive Type I all Drive Speed I ard I I I I I I I I I I I I I I I I I I I	5005B D/De/RW 16X USB Multimedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	5006B 7200 ŘPM SATA 5005B 7200 ŘPM SATA 16X HP USB Keyboard HP Start # A982952 - Mnitr Part # 4FD-0025 MICRCSOFT HARDWARE Microsoft Confort Mouse 4500 = Stuafrack - Cable - USB - 1000 dpl - Titl Wheel - 5 Button(s) - Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port: Rear - 2 USB 3.0, 1 USB 2.0, and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 1, 2.0 x1) and 2x5 (2.0 x2) headers: support HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Memory and Storage <u>Optical</u> Minimu Input Devices Mouse <u>Minimu</u> Minimu	al Drive Type	DVD-ARW 16X USB Multimedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	Sem SuperMulti DVDRW SATA 16X HP DSB Keyboard HP Part # A892952 - Mnttr Part # 4FD-00025 - MICROSOFT HARDWARE Microsoft Comfort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) – Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x1(2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Input Devices Mouse	num Optical Drive Speed card se num total USB Ports num total USB Ports num USB 3.0 Ports	16X USB Multimedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	16X HP USB Keyboard HP Dist # A982052 - Mntr Part # 4FD-00025 MICROSOFT HAEDUVARE Microsoft Contort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpl - Titt Wheel - 5 Button(s) - Symmetrical Front - 2 USB 30, 1 USB 2.0, 1 USB 2.0 Charging Data Port: Rear - 2 USB 3.0, 1 USB 2.0, and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Input Devices Mouse Minimu Minimu	oard is a second in the second is a second is a second in the second is a second is a second in the second is a second is second is second is a second is a second is a second is a	USB Multimedia Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	HP USB Keyboard HP Part # A892952 - Mnftr Part # 4FD-00025 - MiCROSOFT HARDW ARE Microsoft Comfort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tift Wheel - 5 Button(s) - Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 4 USD 2.10 2x10 available as 2 separate 2x10 (3.0 4 USD 2x10 2x10 2x10 2x10 2x10 2x10 1HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Input Devices Mouse Minimu Minimu	ie num total USB Ports num USB 3.0 Ports	Full sized, laser USB 5 button min. including two buttons on side. 8 (2 Front Mount) 4 (2 Front Mount)	HP Part # A\$22952 - Mrth Part # 4FD-00025 - MiCROSCFT HADDWARE Microsoft Comfort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tift Wheel - 5 Button(s) – Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port: Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Mouse Minimu Minimu	num total USB Ports anum USB 3.0	min. including two buttons on side. 8 (2 Front Mount) 4 (2 Frount Mount)	MICROSOFT HARDWARE Microsoft Comfort Mouse 4500 Billefrack- cabib - USB - 1000 dpi - Titt Wheel - 5 Buttrof(s) - Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Mouse Minimu Minimu	num total USB Ports anum USB 3.0	min. including two buttons on side. 8 (2 Front Mount) 4 (2 Frount Mount)	BluETrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) – Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Mouse Minimu Minimu	num total USB Ports i num USB 3.0 Ports i	side. 8 (2 Front Mount) 4 (2 Frount Mount)	Button(s) – Symmetrical Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Port, Rear - 2 USB 3.0, 4 USB 2.0; and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.	_		
Minimu	num total USB Ports tr num USB 3.0 Ports tr	8 (2 Front Mount) 4 (2 Frount Mount)	Front - 2 USB 3.0, 1 USB 2.0, 1 USB 2.0 Charging Data Front, Rear - 2 USB 3.0, 4 USB 2.0, and Internal - 1 USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x16 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Minimu	num USB 3.0 Ports	4 (2 Frount Mount)	Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal ⁻¹ USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Minimu	num USB 3.0 Ports	4 (2 Frount Mount)	Port; Rear - 2 USB 3.0, 4 USB 2.0; and Internal ⁻¹ USB 3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Minimu	num USB 3.0 Ports	4 (2 Frount Mount)	3.0 and 3 USB 2.0 ports available as 2 separate 2x10 (3.0 x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB 9.0 Media Card Reader.			
Minimu	num USB 3.0 Ports	4 (2 Frount Mount)	x1, 2.0 x1) and 2x5 (2.0 x2) headers: supports 1 HP Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Minimu	num USB 3.0 Ports	4 (2 Frount Mount)	Internal USB Port Kits plus one USB 3.0 Media Card Reader.			
Minimu	num USB 3.0 Ports	4 (2 Frount Mount)	Reader.			
Minimu	num USB 3.0 Ports	4 (2 Frount Mount)				
			Four (4)			
I/O VGA P						
		none	none			
DVI Po		1	One (1) with NVIDIA Quadro K2000 2GB Graphics			
DP Por		2	Two (2) with NVIDIA Quadro K2000 2GB Graphics			
RJ-45 I		1	One (1) RJ-45 to integrated GBE			
	o In/Out Ports	1/1	1 Audio Line-in, and 1 Audio Line-out			
Mic		1	One (1) Microphone			
LAN		1 GB NIC	One (1) GB NIC			
Speake	Reis I	Internal	Internal			
0	-time Countries	Windows 10 Professional 64-bit	Microsoft Windows 10 Professional Edition 64bit OS			
Operati	ating System	2 GB NVIDIA Quadro K2000	NVIDIA Quadro K620 2GB DL-DVI(I)+DP+DP 1st No			
Video/C		1DVI-VGA adapter)	adapters			
Chipse		Intel® 8 Series (C226)	Intel® PCH C226 (Intel® C226 chipset)			
Chipse			The HP Z240 workstations support Intel vPro technology			
			when purchased with a vPro technology capable CPU:			
			Intel® Xeon® processor E3-1200v3 family or 4th			
			Generation Intel Core i5/i7 processors with Intel VT and			
Other Manage	agement	Intel vPro Technology Enabled	Intel TXT technology			
		Independent Software Vendor				
Certific		certified (ISV)	Yes			
Sound		Integrated	Integrated			
		Diagnostics and Drivers DVD	Windows 10 Professional 64-bit OS DVD + Driver DVD			
		Meet or exceed	Yes - EPEAT Gold registered in the U.S.			
Energy		Meet or exceed	Yes - HP ENERGY STAR Qualified Configuration			
Warran	anty I	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
			HP Care Pack: 9x5 4-Hour Response On-Site Coverage			
		On-site service. 12 business-	(with or without Disk Retention available), 4 Yrs [use Disk			
Service		hour fix	Retention Care Pack]			
		External	Yes			
Minim 3		23 inch	HP EliteDisplay E231i 23-in IPS LED Backlit Monitor			
		1920 x 1080	1920 x 1080			
i itit Ca		Yes	Yes (Tilt: -5 to +30°; Swivel ±360°; Pivot rotation 90°)			
VGA In	Interface	1 minimum	1 VGA; 1 DVI-D; 1 DisplayPort 1.2			
DVI Int	nterface	1 minimum	1 VGA; 1 DVI-D; 1 DisplayPort 1.2			

Opt	tions Workstation 1	Proposed Model Option	Purchase Cost	Annual Lease Cost	Total Lease Cost
Memory Hard Drive Operating System External Keyboard External Mouse		32GB (2x16GB) nECC DDR4- 2133 nECC Unbuffered RAM (DSG55AV)	221.00	58.44	233.76
External Monitor 1920 x1080 Bluetooth		HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, Tilt: -5 to +30°; Swivel 360°; Pivat rotation 90°, 1 VGA; 1 DisplayPort (with HDCP support): 1 DVI-D (with HDCP support)	187.00	48.01	192.04
Speakers Serial Port		HP Serial Port Adapter Kit (D5H83AV) Windows 7 Professional 64-bit	4.00	1.31	5.24
System Recovery Media		OS DVD + Driver DVD (E5X75AV) - included in base configuration	3.00	1.05	4.20

		Monitors with	out Workstation Purchase			
Monitor		Requirements for	Proposed Model and Capability (Note: these are the HP Z Performance Displays [Z23i, Z24i, Z27i, Z30i] - the HP Elite Displays are also listed below)	Purchase Cost Annual Lease C		Total Lease Cost
	23"	1920 x 1080 DVL and VGA interface	HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 187.00	\$ 48.01	\$ 192.04
Flat Panel	24"	1920 x 1080 DVL and VCA interface	HP Z Display Z24i 24-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 256.00	\$ 65.79	\$ 263.16
	27*	1920 x 1080 DVI and VGA interface	HP Z Display Z27i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1440, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 481.00	\$ 123.44	\$ 493.76
	30*	2560 x 1600 DVI and VGA interface	HP Z Display Z30i 30-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1600, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 987.00	\$ 253.24	\$ 1,012.96

ote: also added HP Elite Displays (23",24",27") below:

	1920 x 1080	HP EliteDisplay E241i 24-in IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort 1.2 (with HDCP support)	\$ 209.00	\$ 53.	.85	\$ 215.40
27*	1920 X 1080 DVI and VGA interface	HP EliteDisplay E271i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort (with HDCP support)	\$ 241.00	\$ 61.	.98	\$ 247.92

Annondix C	Warkstation 2. Deguirements	Requirements for	Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Cost
Appendix C-	Workstation 2 Requirements	Mobile Workstation 2 with Integrated Display	HP ZBook 14 G2 Mobile Workstation (14.0")	\$ 1,394.00	\$ 374.28	\$ 1,497.12
Chassis	Form Factor	Notebook	Notebook (Mobile Workstation - 14.0 inch LED, 1920x1080)			-
01123313	Maximum Size	15.7x6.7x17.4	.83 in x 13.35 in x 9.33 in.			
	Processor Brand	Intel	Intel			
Processor	Minimum Processor Class	Core i7	Core i7			
F10065501			Intel® Core™ i7-5600U (2.6 GHz, 4 MB cache, 2 cores) - Up			
	Minimum Base Processor Speed	3.4 GHz	to 3.40 GHz with Intel Turbo Boost Technology			
	Minimum Memory Size	16GB	16GB 1600MHz DDR3L 4DM			
Memory and Storage	Minimum Hard Drive Capacity	500GB	500GB 7200RPM			
wernory and Storage	Optical Drive Type	DVD+/-RW	External DVD/RW (Sold Seperately)			
	Minimum Optical Drive Speed	16X	16X			
	Keyboard	USB Multimedia	Dual Point with numeric keypad US			
		Full sized, laser USB 5 button				
Input Devices	Mouse	min. including two buttons on				
	mouse	side.	DIB HP 3-button Comfort Grip wireless Mouse			
	Minimum total USB Ports	3	3 USB 3.0, 1 USB 3.0 Charging Port, 1 USB 2.0			
	Minimum USB 3.0 Ports	3	3 USB 3.0, 1 USB 3.0 Charging Port			
	VGA Port	4 none	1 VGA			
	VGA PUIL	none	DVI video signal available through DVI port in optional HP			
			Docking Station (sold separately), as well as through			
//0			DisplayPort to DVI-D; DisplayPort to DVI-D (dual link); and			
	DVI Port		DisplayPort to HDMI adapters (sold separately)			
	DVI Port	1	1 DisplayPort to HDMI adapters (sold separately)			
		2	1 RJ-45 (Ethernet)			
	RJ-45 Port Audio In/Out Ports	1				
	Audio III/Out Polts	1/1	Audio-out (headphone) jack/Audio in (microphone) jack Integrated microphone (dual-microphone array when			
	Mic		equipped with optional webcam)			
	LAN	1 GB NIC	Integrated Intel® I218-LM Gigabit** Network			
	Speakers	Internal	Integrated Intel® 1218-LM Gigabit Network			
	Speakers		Integrated stereo speakers			
		Windows 7 Professional SP1,				
	Operating System	64-bit	Microsoft Windows 10 Professional 64 US			
		1 GB NVIDIA Quadro K2000				
		(2DP and 1DVI-I) (2DP-DVI	AMD FirePro W4150M Graphics with 1 GB dedicated			
	Video/Graphics Card	and 1DVI-VGA adapter)	GDDR5 video memory.			
	Chipset	Intel® 8 Series (C226)	Mobile Intel® QM87			
	Management	Intel vPro Technology Enabled	Intel Core i7 with vPro technology			
Other		Independent Software Vendor				
	Certification	certified (ISV)	Yes			
	Sound Card	Integrated	Integrated			
	Documentation	Diagnostics and Drivers DVD	Win10 Driver DVD			
	EPEAT Silver	Meet or exceed	Yes - EPEAT®			
	Energy Star	Meet or exceed	Yes - US ENERGY STAR ®			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
			HP Care Pack: UG841E - HP 4y NBD Onsite/Defective Media			
		On-site service. 12 business-	Retention NB SVC (for HP ZBook 3-3-3 mobile workstation			
	Service	hour fix	notebooks)			
	Flat Panel Display	External	Yes			
	Minim Size	23 inch	HP EliteDisplay E231i 23-in IPS LED Backlit Monitor			
Dianlass	Minimum Resolution	1920 x 1080	1920 x 1080			
Display	Titlt Capability	Yes	Yes (Tilt: -5 to +30°; Swivel ±360°; Pivot rotation 90°)			
	VGA Interface	1 minimum	1 VGA; 1 DVI-D; 1 DisplayPort 1.2			
	DVI Interface	1 minimum	1 VGA; 1 DVI-D; 1 DisplayPort 1.2			
	D VI Intendet		TVOA, TOVED, TDISplayFult 1.2			

Options Workstation 2	Proposed Model Option	Purchase Cost	Annual Lease Cost	Total Lease Cost
	128GB SATA-3 SSD 14	89.00	23.96	95.84
	256GB SATA-3 SSD 14	178.00	47.92	191.68
	512GB SATA-3 SSD 14	356.00	95.84	383.36
	Intel® Core™ i5-5200U (2.2			
	GHz, 3 MB cache, - Up to 2.7			
	GHz with Intel Turbo Boost			
	Technology	447.00	120.33	481.32
	8GB 1600MHz DDR3L 4DM	110.00	29.82	119.28
	HP CO06XL Notebook Battery	148.00	39.93	159.72
	HP USB Keyboard	14.00	3.99	15.96
	HP Comfort Grip Wireless			
	Mouse	14.00	3.99	15.96
	14 LED FHD UWVA AG f With CAM 14 1900X1080	121.00		
	14 LED FHD UWVA f/CAM Touch Screen 14 1900x1080	195.00		
	HP USB External DVDRW			
	Drive	54.00	14.76	59.04
	HP Essential Top Load Case	14.00	3.99	15.96
	HP UltraSlim Docking Station	115.00	31.16	124.64
	Fingerprint Reader 14	12.00	3.46	13.84
	HP hs3110 HSPA+ w/GPS	54.00	14.64	58.56
	HP NA-1-S3			
	LTE/EVDO/HSPA+ w/GPS	108.00	29.28	117.12
	No SVC Provider AMER 14	0.99	0.27	1.08

		Monitors wit	hout Workstation Purchase			
	Monitor		Proposed Model and Capability (Note: these are the HP Z Performance Displays [Z23i, Z24i, Z27i, Z30i] - the HP Elite Displays are also listed below)	Purchase Cost	Annual Lease Cost	Total Lease Cost
	23"	1920 x 1080 DVI and VGA interface	HP Z Display Z23i 23-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 187.00	\$ 48.01	\$ 192.04
	24"	1920 x 1080 DVL and VGA interface	HP Z Display Z24i 24-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support)	\$ 256.00	\$ 65.79	\$ 263.16
Flat Panel	27"	1920 x 1080 DVI and VGA interface	HP Z Display Z27i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1440, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 481.00	\$ 123.44	\$ 493.76
	30"	2560 x 1600 DVI and VGA interface	IPP Z Display Z301 30-inch IPS LED Backlit Monitor (ENERGY STAR), 2560 x 1600, 1 VGA; 1 DisplayPort (with HDCP support); 1 DVI-D (with HDCP support); 1 HDMI (with HDCP support)	\$ 987.00	\$ 253.24	\$ 1,012.96

Note: also added HP Elite Displays (23",24",27") below:

24"	1920 x 1080 DVI and VGA interface	HP EliteDisplay E241i 24-in IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1200, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort 1.2 (with HDCP support)	\$ 209.0	o \$	53.85	\$ 215.40
27*	1920 x 1080 DVI and VGA interface	HP EliteDisplay E271i 27-inch IPS LED Backlit Monitor (ENERGY STAR), 1920 x 1080, 1 VGA; 1 DVI-D (with HDCP support); 1 DisplayPort (with HDCP support)	\$ 241.0	D \$	61.98	\$ 247.92

	Services		
	Purchase Cost	Annual Lease Cost	Total Lease Cost
Installation	76.00	20.46	81.84
Image Deployment	11.00	2.96	11.84
Asset Tagging	5.00	1.35	5.40
10 GB Data Transfer	33.00	8.88	35.52
Preparation for shipment	19.00	5.12	20.48
Relocation in same building	48.00	12.92	51.68
Relocation within 25 miles	61.00	16.42	65.68
Relocation outside 25 miles	66.00	17.77	71.08
Transport to DGS Warehouse	21.00	5.65	22.60
Image Development	2,968.00	798.96	3,195.84
Bundle - Install, Image Deploy, Tag	79.00	21.27	85.08
On-premise Disk Wipe	56.00	15.08	60.32
Off-premise Disk Wipe	13.00	3.50	14.00



December 27,2017

SUBJECT: Renewal of Contract # 4400014042 Contract Title: Workstation Computing Devices & Monitors Term of Renewal: January 05, 2018 to January 04, 2019 Renewal Security Required: Yes No

Dear Ms. Gladmon:

The Commonwealth is exercising its option to renew the Personal Computing Devices, Monitors and Services contract between the Commonwealth of Pennsylvania and HP, INC. Section I-15 Term of Contract states:

"The contracts resulting from this IFB will commence on the effective date, as defined in **Appendix A –Terms and Conditions**, and will end in two (2) years, with three (3) one (1) year renewal options. The Commonwealth, in its sole discretion, may renew the contracts. Renewals may be for single or multiple year terms."

The Commonwealth and HP INC have agreed upon a 1 percent decrease in purchase cost for equipment and options for Workstation 1 and Workstation 2.

The Commonwealth is renewing the contract for one (1) year. The new termination date of the contract will be January 04, 2019.

The Commonwealth is requesting your acknowledgement of the contract renewal. Please confirm your acknowledgement by completing the bottom section of this letter and emailing a copy to me by close of business January 02, 2018.

Thank you for your prompt response. If you have any questions, please contact me at 717-346-3827 or rjaime@pa.gov.



Raymond A. Jaime Commodity Specialist

I acknowledge the renewal of the above referenced contract for the above stated Term of Renewal, that all terms and conditions in the contract shall remain in full force.

Yes L No Signature phtract Administrate Title



Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 5 Change Effective Date : 08/13/2018

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors Contract Period: Beginning January 05, 2015 and Ending January 04, 2019

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

Please reference the attached updated price list which includes the following change.

- Workstation 1: The HP Z240 Desktop Workstation has been replaced with the HP Z2 TWR G4 Workstation
- Workstation 2: The HP 14U Laptop Workstation has been replaced with the HP ZBook 15U Mobile Workstation

These changes also include additional options.

Fill in the sheet with Workstations for which a Bid is being submitted. All green and yellow cells must have entries for the Bid to be acceptable.

For Base Models:

- 1 Models must meet all the minimum requirements specified in this section.
- 2 Fill in all yellow capability cells. If the model meets the value in the requirement column, place an "X." If the model exceeds the value in the requirements column, enter the actual value.
- 3 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for the model proposed .
- 4 Do not fill in any shaded cells.

For Options:

- 1 If the model can be upgraded to the optional capability, enter the option in the Proposed Model Option column (yellow), enter the purchase price, annual lease price, and total lease price for the option in the green cost cells.
- 2 If the model already includes the capability in the base model price, enter "Included" in the green cost cells.
- 3 If the model cannot be upgraded to the optional capability, enter "Not available" in the green cost cells.
- 4 Do not fill in any shaded cells.
- For Services: 1 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for each service listed.

	lix C- Workstation 1	Requirements for	Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Co
R	equirements	Workstation 1 with Monitor	HP Z2 TWR G4 WKS	\$ 1.432.32	\$ 374.41	\$ 1.497
Chassis	Form Factor	Desktop-MiniTower	Tower	1,402.02		•
	Maximum Size	15.7x6.7x17.4	14 x 6.7 x 17.1 in Intel			
rocessor	Processor Brand Minimum Processor Class	Core i7	Core i7			
locessoi		3.4 GHz				
	Minimum Base Processor Speed Minimum Memory Size	3.4 GHz 16GB	Intel® CoreTM i7-8700 3.2 26666 6C CPU 16GB (2x8GB) DDR4 2666 DIMM NECC Memory			
lemory and	Minimum Hard Drive Capacity	500GB	500GB 2.5in SATA Solid State Drive			
torage	Optical Drive Type	DVD+/-RW	9.5mm DVD-Writer 1st ODD			
	Minimum Optical Drive Speed Keyboard	16X USB Multimedia	16X USB Business Slim Wired Keyboard US			
	Neyboard			1		
nput Devices	Mouse	Full sized, laser USB 5 button min. including two buttons on side.	HP Part # A892952 - Mnftr Part # 4FD-00025 - MICROSOFT HARDWARE Microsoft Comfort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) – Symmetrical			
		8 (2 Front Mount)	Front: I headphone/microphone combo; 2 USB 3.0 (1 charging); 1 USB 3.1 Gen 2 Type-C [™] 9 Rear: 1 audio-in; 1 audio-ut; 1 DVI-l single link; 1 RJ-45; 2 DisplayFort™ 1.2; 2 USB 2.0; 4 USB 3.014 Internat: 1 USB 3.0; 2 USB 2.0 (1 USB 3.0 and 2 USB 2.0 proximalized as 2 separate 2 x 10 (3.0 x 1, 2.0 x 1) and 2 x 5 (2.0 x 2) header. Supports one HP Internal USB 2.0 Port Kit and one USB 3.0 media card reader.)			
10	Minimum total LISP. Data					
/0	Minimum total USB Ports Minimum USB 3.0 Ports	4 (2 Front Mount)	3 front - 6 back			
	VGA Port	none	none			
	DVI Port	1	1 DVI-I single link			
	DP Port RJ-45 Port	2	2 DisplayPort™ 1.2 1 RJ-45			
	RJ-45 Port Audio In/Out Ports	1/1	1 RJ-45 Conexant CX20632-31Z, 1.5W internal mono speaker			
	Mic	1	1 headphone/microphone combo			
	LAN	1 GB NIC	Integrated Intel® I219-LM PCIe® GbE; Intel® I350-T2 dual-port GbE NIC			
	Speakers Operating System	Internal Windows 10 Professional 64 bit	Rear: 1 audio-in; 1 audio-out; 1 Microsoft Windows 10 Professional Edition 64bit OS			
	Operating System	2 GB NVIDIA Quadro K2000 (2DP and 1DVI-I)	NVIDIA Quadro K620 2GB DL-DVI(I)+DP+DP 1st No cables included Graphics - added 2DP-			
	Video/Graphics Card	(2DP-DVI and 1DVI-VGA adapter)	DVI and 1DVI-VGA adapters			
	Chipset	Intel® 8 Series (C226)	Intel® C246			
	Management Certification	Intel vPro Technology Enabled Independent Software Vendor certified (ISV)	yes Yes			
ther	Sound Card	Integrated	Integrated			
	Documentation	Diagnostics and Drivers DVD	Drivers can be found on HP.com			
	EPEAT Silver	Meet or exceed	Yes - EPEAT Gold registered in the U.S. Yes - HP ENERGY STAR Qualified Configuration			
	Energy Star Warranty	Meet or exceed Four (4) year	Yes - HP ENERGY STAR Qualified Configuration Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
			HP Care Pack: 9x5 4-Hour Response On-Site Coverage (with or without Disk Retention			
	Service	On-site service. 12 business-hour fix	available), 4 Yrs [use Disk Retention Care Pack], and account management services			
	Flat Panel Display	External 22 inch	Yes HB EliteDiantey 5222 Manites and can face			
	Minim Size Minimum Resolution	23 inch 1920 x 1080	HP EliteDisplay E233 Monitor and services 1920 x 1080	-		
			Tilt Range –5° to + 23° vertical Swivel Range 45°L to 45°R			
Display	Tritt Capability VGA Interface	Yes 1 minimum	Swivel Range 45*L to 45*R Deplay height adjustment: Adjustment: Range: 150 mm Pive Rotation Yes, 90° clockwise and counter-clockwise (1) VGA 1,8 m (5.9 th) cable included 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9			
	VGA Interface USB PORTS	Yes 1 minimum	Swivel Range 45°L to 45°R Display height adjustment: Adjustment Range: 150 mm Piver Rotation Yes, 90° clockwise and counter-clockwise (1) VGA 1.8 m (c: 91 h cable included			
	VGA Interface USB	Proposed Model Option	Swivel Range 45°L to 45°R Display height adjustment: Adjustment: Range: 150 mm Pive Rotation Yas, 90° clockes and counter-clockwise (1) V 14 fe m (c. 81) cable included 3 USB 3.0 (one upstream, two downstream) : (1) USB b to A cable 1,8 m (5.9 ft) (1) DisplayPort ¹⁴¹ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support	Purchase Cost	Annual Lease Cost	Total Lease Co
Display Optior Memory	VGA Interface USB PORTS		Swivel Range 45*L to 45°R Display height adjustment: Rage: 150 mm. Adjustment: Rege: 150 mm. (1) VGA 1.5 m (5.6 th) cable included 21 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁴ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort ¹¹⁴	Purchase Cost 304.00	Annual Lease Cost	
Optior	VGA Interface USB PORTS	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC	Swivel Range 45*L to 45°R Display height adjustment: Adjustment Range: 150 mm Prvc Rotation Yes, 90° clockwise and counter-clockwise (1) VGA 1.8 m (s. 91) cable included 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort TM 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort TM Rules			23
Optior	VGA Interface USB PORTS	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffeed RAM (DGG55AV) 1TB 7200 SATA 3.5m WKS	Swivel Range 45*L to 45°R Display height adjustment: Adjustment Range: 150 mm Prvet Rotation Yes, 90° clockwise and counter-clockwise (1) VGA 18 m (5.9 to able included) 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft) (1) DisplayPort [™] 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort [™] Rules standard upgrade standard upgrade	304.00	58.44	23
Optior	VGA Interface USB PORTS	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Urbuffered RAM (DSG55AV)	Swivel Range 45*L to 45°R Display height adjustment: Adjustment Range: 150 mm Prver Rotation Yes, 90° clockwise and counter-clockwise (1) VGA 18 m (5.9 to able included) 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft) (1) DisplayPort™ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort™ Rules	304.00	58.44	23
Optior	VGA Interface USB PORTS IN Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM (DSGSSAV) 11B 7200 SATA 3.5n WKS 11B 7200 SATA 3.5n 2ndWKS	Swivel Range 45*L to 45°R Display height adjustment: Adjustment Range: 150 mm Prver Rotation Yas, 90° clockwise and counter-clockwise (1) VGA 18 m (5.9 clockwise and counter-clockwise (1) VGA 18 m (5.9 clockwise) 30 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft) (1) DisplayPort ¹¹⁰ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort ¹¹⁰ Rules standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected	304.00 42.00 42.00	58.44 11.08 11.08	23: 4
Option Nemory Operating System	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffeed RAM (DGG55AV) 1TB 7200 SATA 3.5m WKS	Swivel Range 45*L to 45°R Display height adjustment: Adjustment Range: 150 mm Prvet Rotation Yes, 90° clockwise and counter-clockwise (1) VGA 18 m (5.9 to able included) 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft) (1) DisplayPort [™] 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort [™] Rules standard upgrade standard upgrade	304.00	58.44	23
Option Aemory Operating System	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM (DSG5AV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2ndWKS NM Qdr 5GB P2000 (4)DP Graphics	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 monitories and counter-clockwise Physical Lange: 150 monitories and counter-clockwise Of the Counter of the Counter-clockwise Of the Counter of the Counter-clockwise (1) Display-Port** 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and Display-Port** Rules standard upgrade standard upgrade standard upgrade standard upgrade standard upgrade standard upgrade	304.00 42.00 42.00 338.00	58.44 11.08 11.08 89.16	23: 4 4 35
Option Aemory Operating System External Keyboard	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM (DSGSSAV) 11B 7200 SATA 3.5n WKS 11B 7200 SATA 3.5n 2ndWKS	Swivel Range 45*L to 45°R Display height adjustment: Adjustment Range: 150 mm Prver Rotation Yas, 90° clockwise and counter-clockwise (1) VGA 18 m (5.9 clockwise and counter-clockwise (1) VGA 18 m (5.9 clockwise) 30 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft) (1) DisplayPort ¹¹⁰ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort ¹¹⁰ Rules standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected	304.00 42.00 42.00	58.44 11.08 11.08	23 4 4 35
Option Aemory Deperating System External Keyboard External Keyboard	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM (DSG5AV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2ndWKS NM Qdr 5GB P2000 (4)DP Graphics	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mcl (1) Galaritherit Range: 150 mcl (1) Galaritherit Range: 150 mcl (1) Galaritherit Galaritheritheritheritheritheritheritherithe	304.00 42.00 42.00 338.00	58.44 11.08 11.08 89.16	23 4 4 35
Option Aemory Deperating System External Keyboard External Mouse - JSB -	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM (DSGSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2ndWKS Net Qet 5GB P2000 (4)DP Graphics HP USB Keyboard	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 monitories and counter-clockwise Physical Lange: 150 monitories and counter-clockwise Of the Counter of the Counter-clockwise Of the Counter of the Counter-clockwise (1) Display-Port** 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and Display-Port** Rules standard upgrade standard upgrade standard upgrade standard upgrade standard upgrade standard upgrade	304.00 42.00 42.00 338.00 15.00	58.44 11.08 11.08 89.16 3.98	23 4 4 35
Option Aemory Operating System Stemal Keyboard Stemal Mouse - ISB - Stemal Mouse -	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM (DSGSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2ndWKS Net Qet 5GB P2000 (4)DP Graphics HP USB Keyboard	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mcl (1) Galaritherit Range: 150 mcl (1) Galaritherit Range: 150 mcl (1) Galaritherit Galaritheritheritheritheritheritheritherithe	304.00 42.00 42.00 338.00 15.00	58.44 11.08 11.08 89.16 3.98	23 4 4 35 1 1
Option temory berating System xtemal Keyboard Xtemal Kouse - Vireless	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (px1462B) nECC DDR4-2133 nECC Unbuffered RAM (D5G55AV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2ndWKS Nd Odr 5GB P2000 (A)DP Graphics HP USB Keyboard HP USB Mouse HP Comfort Grip Wireless Mouse	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mm. Adjustment Range: 150 mm. Adjustment Range: 150 mm. (1) VGA 1.5 m (5.6 H) cable included 21 VGB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ^{ma} 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yee, HDMI and DisplayPort ^{ma} Rules standard upgrade standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P620 first addon option addon option	304.00 42.00 42.00 338.00 15.00 10.00 18.00	58.44 11.08 11.08 89.16 3.98 2.84 4.75	23 4 4 35 1 1
Option temory berating System xtemal Keyboard Xtemal Kouse - Vireless	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x146CB) nECC DDR4-2133 nECC Unbuffered RAM (D5G55AV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2ndWKS Nd Qdr 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Keyboard	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 min Adjustment: Range: 150 min (1) VGA 1.5 m (5.6 th) cable included 2) USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁰ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yee, HDMI and DisplayPort ¹¹⁰ Rules standard upgrade standard upgrade standard upgrade only available if 1TB (1st hand drive) is selected or 500 GB (1st hand drive) is selected must remove Nvidia Quadro P620 first addon option	304.00 42.00 42.00 338.00 15.00 10.00	58.44 11.08 11.08 89.16 3.98 2.84	23 4 4 35 1 1 1
Option lemory peraling System xternal Koyboard xternal Mouse - freitess peakers	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nEDC DDR4-2133 nECC Unbuffered RAM (DSGSSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in WKS Nrd Qdr 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Mouse HP USB Business Speakers v2	Swivel Range 45*L to 45°R Display height adjustment adjustment Range: 150 mm adjustment Range: 150 mm Adjustment Range: 150 mm adjustment Standard upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft) (1) DisplayPort ^{Tex} 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Vies, HDMI and DisplayPort ^{Tex} Rules standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P620 first addon option addon option addon option	304.00 42.00 43.00 15.00 10.00 18.00 16.00	58.44 11.08 11.08 89.16 3.98 2.84 4.75 4.22	23 4 4 35 1 1 1 1
Option lemory peraling System xternal Koyboard xternal Mouse - freitess peakers	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (px1462B) nECC DDR4-2133 nECC Unbuffered RAM (D5G55AV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2ndWKS Nd Odr 5GB P2000 (A)DP Graphics HP USB Keyboard HP USB Mouse HP Comfort Grip Wireless Mouse	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mm. Adjustment Range: 150 mm. Adjustment Range: 150 mm. (1) VGA 1.5 m (5.6 H) cable included 21 VGB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ^{ma} 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yee, HDMI and DisplayPort ^{ma} Rules standard upgrade standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P620 first addon option addon option	304.00 42.00 42.00 338.00 15.00 10.00 18.00	58.44 11.08 11.08 89.16 3.98 2.84 4.75 4.22	23 4 4 35 1 1 1 1
Option emory perating System kemal Keyboard kemal Mouse - frefess peakers	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nEDC DDR4-2133 nECC Unbuffered RAM (DSGSSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in WKS Nrd Qdr 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Mouse HP USB Business Speakers v2	Swivel Range 45*L to 45°R Display height adjustment adjustment Range: 150 mm adjustment Range: 150 mm Adjustment Range: 150 mm adjustment Standard upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft) (1) DisplayPort ^{Tex} 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Vies, HDMI and DisplayPort ^{Tex} Rules standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P620 first addon option addon option addon option	304.00 42.00 43.00 15.00 10.00 18.00 16.00	58.44 11.09 11.08 89.16 3.98 2.84 4.75 4.22 1.32	23 4 4 35 1 1 1 1
Option emory perating System kemal Keyboard kemal Mouse - frefess peakers	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nEDC DDR4-2133 nECC Unbulleted RAM (DSGSSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in WKS Nrd Qdr 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Mouse HP USB Business Speakers v2 HP Serial Port Adapter	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mm Adjustment: Range: 150 mm Adjustment Range: 150 mm (1) VGA 1.5 m (5.6 H) cable included 21 VISB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁴ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort ¹¹⁴ Rules standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P520 first addon option addon option addon option	304.00 42.00 42.00 15.00 10.00 18.00 16.00 5.00	58.44 11.09 11.08 89.16 3.98 2.84 4.75 4.22 1.32	23 4 4 35 1 1 1 1
Option lemory peraling System xternal Koyboard xternal Mouse - freitess peakers	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nEDC DDR4-2133 nECC Unbulleted RAM (DSGSSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in WKS Nrd Qdr 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Mouse HP USB Business Speakers v2 HP Serial Port Adapter	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mm Prvs Rusteion Ys. 90° clockwise and counter-clockwise (1) V1 41 en (r. 61) cable included 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁰ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort ¹¹⁰ Rules standard upgrade standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P620 first addon option addon option addon option	304.00 42.00 42.00 15.00 10.00 18.00 16.00 5.00	58.44 11.09 11.08 89.16 3.98 2.84 4.75 4.22 1.32	23 4 4 35 1 1 1 1
Option temory perating System xtemal Keyboard xtemal Mouse - firetes peakers	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nEDC DDR4-2133 nECC Unbulleted RAM (DSGSSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in WKS Nrd Qdr 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Mouse HP USB Business Speakers v2 HP Serial Port Adapter	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mm Adjustment: Range: 150 mm Adjustment Range: 150 mm (1) VGA 1.5 m (5.6 H) cable included 21 VISB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁴ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort ¹¹⁴ Rules standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P520 first addon option addon option addon option	304.00 42.00 42.00 15.00 10.00 18.00 16.00 5.00	58.44 11.09 11.08 89.16 3.98 2.84 4.75 4.22 1.32	23 4 4 35 1 1 1 1
Option Vernory Derrating System External Koyboard External Mouse - 158 - 158 - Vireless Speakers	VGA Interface USB PORTS INS Workstation 1	Proposed Model Option 32GB (2x16GB) nEDC DDR4-2133 nECC Unbulleted RAM (DSGSSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in WKS Nrd Qdr 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Mouse HP USB Business Speakers v2 HP Serial Port Adapter	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mm Prvs Rusteion Ys. 90° clockwise and counter-clockwise (1) V1 41 en (r. 61) cable included 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁰ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort ¹¹⁰ Rules standard upgrade standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P620 first addon option addon option addon option	304.00 42.00 42.00 15.00 10.00 18.00 16.00 5.00	58.44 11.09 11.08 89.16 3.98 2.84 4.75 4.22 1.32	23 4 35 1 1 1 1
Option Aemory Operating System External Koyboard External Mouse - Vireless Speakers	VGA Interface USB PORTS IS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM (DSGSSAV) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2vdWKS Nrd Odr 5GB P2000 (d)DP Graphics HP USB Keyboard HP USB Mouse HP USB Mouse HP USB Business Spaakers v2 HP Serial Port Adapter Single Port eSATA Adapter Requirements for	Swiel Range 45*L to 45°R Display height adjustment adjustment adjustment adjustment adjustment Stages T1) VGA 1.5 m (5.8 H) cable included 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁴ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Vies, HDMI and DisplayPort ¹¹⁴ Rules standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P520 first addon option addon option addon option	304.00 42.00 42.00 15.00 16.00 18.00 16.00 2.00	58.44 11.08 11.08 99.16 3.98 2.84 4.75 4.22 1.32 0.53	23 4 4 35 1 1 1 1
Option Aemory Operating System External Koyboard External Mouse - Vireless Speakers	VGA Interface USB PORTS NS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM (DSGSSAV) 1TB 7200 SATA 3.5n WKS 1TB 7200 SATA 3.5n 2ndWKS Nd Cdr 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Keyboard HP USB Mouse HP USB Mouse HP USB Business Spaakers v2 HP Serial Port eSATA Adapter Single Port eSATA Adapter	Swivel Range 45*L to 45°R Display height adjustment: Range: 150 mm Prvs Rusteion Ys. 90° clockwise and counter-clockwise (1) V1 41 en (r. 61) cable included 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁰ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort ¹¹⁰ Rules standard upgrade standard upgrade standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P620 first addon option addon option addon option	304.00 42.00 42.00 338.00 15.00 18.00 18.00 16.00 5.00 2.00 Purchase Cost	58.44 11.08 11.08 9.916 3.99 2.84 4.75 4.22 1.32 0.53 Annual Lesse Cost	233 4 365 11 11 11 11 11 11 11 11 11 11 11 11 11
Option Vernory Derrating System External Koyboard External Mouse - 158 - 158 - Vireless Speakers	VGA Interface USB PORTS NS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4:2133 nECC Unbuffered RAM (DSG55KV) 11B 7200 SATA 3.5in WKS 11B 7200 SATA 3.5in 2vdWKS Ned Out 5GB 72000 (4)DP Graphics HP USB Mouse HP USB Mouse HP USB Mouse HP USB Business Spaakers v2 HP Serial Port Adapter Single Port eSATA Adapter Requirements for 1220 x 1080 DVI and VGA interface	Swivel Range 45*L to 45*R Display height adjustment: Range: 150 mm Prive Russion Yrs, 90* clockinstuded 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft) (1) DisplayPort** 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort** Rules standard upgrade standard upgrade standard upgrade standard upgrade ddon option addon option addon option addon option HP Z23n Narrow Bezel IPS Display	304.00 42.00 42.00 15.00 16.00 18.00 16.00 2.00	58.44 11.08 11.08 99.16 3.98 2.84 4.75 4.22 1.32 0.53	23: 4
Optior	VGA Interface USB PORTS IS Workstation 1	Proposed Model Option 32GB (2x16GB) nECC DDR4:2133 nECC Unbuffered RAM (DSG554V) 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in WKS 1TB 7200 SATA 3.5in 2ndWKS Net Qet 5GB P2000 (4)DP Graphics HP USB Keyboard HP USB Keyboard HP USB Keyboard HP USB Business Speakers v2 HP Serial Port Adapter Single Port eSATA Adapter Requirements for 1220 x 1060	Swiel Range 45*L to 45°R Display height adjustment adjustment adjustment adjustment adjustment Stanger (1) VGA 1.5 m (5.8 H) cable included 2 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1.8 m (5.9 ft) (1) DisplayPort ¹¹⁴ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Vies, HDMI and DisplayPort ¹¹⁴ Rules standard upgrade only available if 1TB (1st hard drive) is selected or 500 GB (1st hard drive) is selected must remove Nvidia Quadro P520 first addon option addon option addon option	304.00 42.00 42.00 338.00 15.00 18.00 18.00 16.00 5.00 2.00 Purchase Cost	58,44 11,08 11,08 89,16 3,98 2,84 4,75 4,22 1,32 1,32 1,32 1,32 1,32 1,32 1,32 1	233 4 4 356 11 11 11 11 11 11 11 11 11 11 11 11 11

Flat Panel Workstation Displays

Flat Panel Elite Displays 27"

27

30'

1920 x 1080 DVI and VGA interface

2560 x 1600 DVI and VGA interface

1920 x 1080 DVI and VGA interface

1920 x 1080 DVI and VGA interface

HP Z27n Narrow Bezel Display

HP EliteDisplay E233 Monitor

HP EliteDisplay E271i LED MNT

Z32 4K UHD

486.00

997.00

212.00 \$

224.00 \$

s

123.44

253.2

53.85

61.98 \$

493.76

012.9

215.40

247.92

Appendix	C- Workstation 2	Requirements for	Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total I	ease Cost
Rec	juirements	Mobile Workstation 2 with Integrated Display	HP ZBook 15u Mobile Workstation	\$ 1,409.00	\$ 375.09	\$	1,500.36
Chassis	Form Factor	Notebook	Notebook Mobile Workstation - 15.6"				
0183313	Maximum Size	15.7x6.7x17.4	14.6 x 9.91 x 0.72 in				
	Processor Brand	Intel	Intel				
Processor	Minimum Processor Class	Core i7	Core i7				
1 10000001	Minimum Base Processor						
	Speed	3.4 GHz	IDS DSC i7-8650U 15u G5 Base NB PC				
	Minimum Memory Size	16GB	16GB 1600MHz DDR3L 4DM				
Memory and Storage	Minimum Hard Drive Capacity	500GB	512 GB PCIe NVMe Three Layer Cell Solid State Drive				
wemory and otorage	Optical Drive Type	DVD+/-RW	External DVD/RW (Sold Seperately)				
	Minimum Optical Drive Speed	16X	16X				
			HP Collaboration Keyboard, spill-resistant, backlit and function				
	Keyboard	USB Multimedia	key control				
Input Devices		Full sized, laser USB 5 button					
	Mouse	min. including two buttons on					
		side.	DIB HP 3-button Comfort Grip wireless Mouse				
	Minimum total USB Ports	3	1 USB Type-C [™] (Thunderbolt [™] 3, USB 3.1)				
	Minimum USB 3.0 Ports	4	1 USB Type-C [™] (Thunderbolt [™] 3, USB 3,1)				
	VGA Port		none	1			
	DVI Port	1	none				
	DP Port	2	none				
I/O	RJ-45 Port	1	1 RJ-45 (Ethernet)				
	Audio In/Out Ports	1/1	Audio combo jack				
	Mic	1	Internal microphones				
			Intel® I219-LM Gigabit* Network Connection (vPro				
	LAN	1 GB NIC	configurations)				
	Speakers	Internal	Integrated stereo speakers				
		Windows 7 Professional SP1,					
	Operating System	64-bit	Microsoft Windows 10 Professional 64 US				
		1 GB NVIDIA Quadro K2000					
		(2DP and 1DVI-I) (2DP-DVI and					
	Video/Graphics Card	1DVI-VGA adapter)	AMD Radeon Pro™ WX3100 (2 GB dedicated GDDR5)				
			Intel® Kaby Lake - R Chipset integrated with 8th Generation				
	Chipset	Intel® 8 Series (C226)	processor				
	Management	Intel vPro Technology Enabled	Intel Core i7 with vPro technology				
Other		Independent Software Vendor					
	Certification	certified (ISV)	Yes				
	Sound Card	Integrated	Integrated				
	Documentation	Diagnostics and Drivers DVD	DVD can be found on hp.com				
	EPEAT Silver	Meet or exceed	Yes - EPEAT®				
	Energy Star	Meet or exceed	Yes - US ENERGY STAR ®				
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack) HP Care Pack: U- HP UE336E NBD Onsite/Defective Media				
		On-site service, 12 business-	Retention NB SVC (for HP ZBook 3-3-3 mobile workstation				
	Service	hour fix	notebooks) and account management services				
	Flat Panel Display Minim Size	External 23 inch	sold seperately				
	Minim Size Minimum Resolution	23 Inch 1920 x 1080	no				
Display	Titlt Capability	Yes	no				
	VGA Interface	1 minimum	no				
	DVI Interface	1 minimum	no				

Options Workstation 2	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
	32GB (2x16GB) DDR4 2400	Must swap out 16GB	\$ 320.00	\$ 84.41	\$ 337.64
	256GB PCIe NVMe TLC SSD	Must swap out 512 GB	\$ 111.00	\$ 48.80	\$ 195.20
	HP USB Keyboard	addon option	\$ 15.00	\$ 3.99	\$ 15.96
	HP Comfort Grip Wireless Mouse	addon option	\$ 18.00	\$ 3.99	\$ 15.96
	15.6 FHD AG LED WWAN	needed if WWAN is added- swap out original display	\$ 56.00	\$ 14.77	\$ 59.08
	15.6 inch FHD AG LED UWVA for Webcam	needed if webcam is added - swap out original display	\$ 5.00	\$ 1.32	\$ 6.28
	15.6 FHD AG LED UWVA 220 fWWAN fHDC slim	needed if webcam is added and a highend display is needed - swap out original display	\$ 56.00	\$ 14.77	\$ 59.08
	Integrated HD 720p TM Webcam	needed if webcam is needed	\$ 5.00	\$ 1.32	\$ 5.28
	HP USB External DVDRW Drive	HP USB External DVDRW Drive	\$ 50.00		
	HP Essential Top Load Case	addon option	\$ 15.00		\$ 15.96
	HP UltraSlim Docking Station	addon option	\$ 86.00		
	fingerprint reader	addon option- swap out no finger print reader	\$ 6.00	\$ 3.46	\$ 13.84
		swap out no WWAN and add Intel 7360 LTE-			
	Intel 7360 LTE-A	A AND no service provider			
	No SVC Provider AMER 14	needed if adding WWAN	\$ 1.00	\$ 0.27	1,08

			Monitors without Workst	ation Purchase				
	Monitor	Requirements for		Purchase Cost		Annual L Cost	ease	Total Lease Cost
	23"	1920 x 1080 DVI and VGA interface	HP Z23n Narrow Bezel IPS Display	\$	189.00	\$ 4	B.01	\$ 192.04
Flat Panel Workstation	24"	DVI and VGA interface	Z24i G2	\$	259.00	\$ 6	5.79	\$ 263.16
Displays	27"	1920 x 1080 DVI and VGA interface	HP Z27n Narrow Bezel Display	\$	486.00	\$ 12	3.44	\$ 493.76
		DVI and VGA interface	Z32 4K UHD	\$	997.00	\$ 25	3.24	\$ 1,012.96
Flat Panel Elite Displays	24"	1920 x 1080 DVI and VGA interface	HP EliteDisplay E233 Monitor	\$	165.00	\$ 5	3.85	\$ 215.40
Бізріауз	27"	1920 x 1080	HP EliteDisplay E271i LED MNT	\$	244.00	\$ 6	1.98	\$ 247.92

Vendor	Vista SKU	HP/Mfg. Part No	Vendor PN	Part Description	Cost \$	Base Price \$	BIG DEAL PRICE
Riverside Technologies Inc	4235410	4FX05AA	RTI-F1CWOPba-217	RTI - Imaging	\$13.50	\$15.00	\$15.0
Riverside Technologies Inc	4235411	4FX06AA	RTI-F1CWOPba2-03	RTI - Asset Tags	\$4.50	\$5.00	\$5.0
Riverside Technologies Inc	4235412	4FX07AA	RTI-F1CWOPba-041	RTI - Bios Stamping	\$5.40	\$6.00	\$6.0
Riverside Technologies Inc	4235413	4FX08AA	RTI-F1PAONba-218	RTI - Onsite Warehouse Imaging	\$13.50	\$15.00	\$15.0
Riverside Technologies Inc	4235414	4FX09AA	RTI-F1PAONba-318	RTI - Onsite Asset Tagging per device	\$4.50	\$5.00	\$5.0
Riverside Technologies Inc	4235415	4FX10AA	RTI-F1PAONba-118	RTI - Onsite BIOS Stamping	\$5.40	\$6.00	\$6.0
Riverside Technologies Inc	4235416	4FX11AA	RTI-F1PAONbb-118	RTI - Onsite Initiation & Loading Image	\$93.60	\$104.00	\$104.0
Riverside Technologies Inc	4235417	4FX12AA	RTI-F1PAONbc-118	RTI - Onsite Application & Correlation	\$51.30	\$59.00	\$59.0
Riverside Technologies Inc	4235418	4FX13AA	RTI-F1PAPNbd-118	RTI - Onsite BIOS Stamping	\$51.30	\$59.00	\$59.0
ADEPT							
Vendor	Vista SKU	HP/Mfg. Part No	Vendor PN	Part Description	Cost \$	Base Price \$	BIG DEAL PRICE
Adept Consulting Services, Inc.	4235384	4FG82AA	AC-P2018001	ADPT - Installation	\$79.00	\$86.90	\$86.9
Adept Consulting Services, Inc.	4235385	4FG83AA	AC-P2018004	ADPT - Offsite Delivery & Installation	\$79.00	\$86.90	\$86.9
Adept Consulting Services, Inc.	4235386	4FG84AA	AC-P2018005	ADPT - Data Transfer	\$40.00	\$44.00	\$44.0
Adept Consulting Services, Inc.	4235387	4FG85AA	AC-P2018006	ADPT - Preparation for Shipment	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235388	4FG86AA	AC-P2018007	ADPT - Hard Drive Removal	\$4.00	\$4.40	\$4.4
Adept Consulting Services, Inc.	4235389	4FG87AA	AC-P2018008	ADPT - On-Premise Disk Wipe	\$34.00	\$37.40	\$37.4
Adept Consulting Services, Inc.	4235390	4FG88AA	AC-P2018009	ADPT - Off-Premise Disk Wipe	\$19.00	\$20.90	\$20.9
Adept Consulting Services, Inc.	4235391	4FG89AA	AC-P2018010	ADPT - Relocation within 25 Miles	\$60.00	\$66.00	\$66.0
Adept Consulting Services, Inc.	4235392	4FG90AA	AC-P2018011	ADPT - Relocation Outside 25 Miles	\$67.00	\$73.70	\$73.7
Adept Consulting Services, Inc.	4235393	4FG91AA	AC-P2018012	ADPT - Return to DGS Surplus Warehouse	\$28.00	\$30.80	\$30.8
Adept Consulting Services, Inc.	4235394	4FG98AA	AC-O2018020	ADPT - PA Onsite -ISP Onsite Dlvr & Inst	\$91.00	\$100.10	\$100.1
Adept Consulting Services, Inc.	4235395	4FG99AA	AC-O2018021	ADPT - Managed Logistics	\$28.00	\$30.80	\$30.8
Adept Consulting Services, Inc.	4235396	4FH00AA	AC-O2018022	ADPT - Monitor Install Stand alone	\$34.00	\$37.40	\$37.4
Adept Consulting Services, Inc.	4235397	4FH01AA	AC-O2018023	ADPT - Second Monitor instll with system	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235398	4FH02AA	AC-02018024	ADPT - Monitor Prep for Ship	\$8.00	\$8.80	\$8.8
Adept Consulting Services, Inc.	4235399	4FH03AA	AC-O2018025	ADPT - Single Monitor Mount Installation	\$14.00	\$15.40	\$15.4
Adept Consulting Services, Inc.	4235400	4FH04AA	AC-O2018026	ADPT - Dual Monitor Mount Installation	\$24.00	\$26.40	\$26.4
Adept Consulting Services, Inc.	4235401	4FH05AA	AC-O2018027	ADPT - On-Site Asset Tagging	\$5.00	\$5.50	\$5.5
Adept Consulting Services, Inc.	4235402	4FH06AA	AC-O2018028	ADPT - On-Site Image Deployment	\$25.00	\$27.50	\$27.5
Adept Consulting Services, Inc.	4235403	4FH07AA	AC-O2018029	ADPT - Automated Onsite User Data Migrat	\$14.00	\$15.40	\$15.4
Adept Consulting Services, Inc.	4235404	4FH09AA	AC-O2018030	ADPT - Off-Site HDD Removal	\$7.00	\$7.70	\$7.7
Adept Consulting Services, Inc.	4235405	4FH10AA	AC-O2018031	ADPT - Return to DGS-Surplus (Expedited)	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235406	4FH11AA	AC-02018032	ADPT - Hourly Technical Assistance	\$65.00	\$71.50	\$71.5



Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 6 Change Effective Date : 12/12/2018

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors

Contract Period: Beginning January 05, 2019 and Ending January 04, 2020

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

The Commonwealth is exercising its option to renew the Workstation Devices & Monitors contract between the Commonwealth of Pennsylvania and Pomeroy It Solutions Sales Company. Section I-15 Term of Contract states:

"The contracts resulting from this IFB will commence on the effective date, as defined in **Appendix A –Terms and Conditions**, and will end in two (2) years, with three (3) one (1) year renewal options. The Commonwealth, in its sole discretion, may renew the contracts. Renewals may be for single or multiple year terms."

The Commonwealth and Pomeroy IT Solutions Sales Company Inc have agreed upon a 10 percent reduction in cost for equipment and services for Workstation 1 and Workstation 2.

The Commonwealth is renewing the contract for one (1) year. The new termination date of the contract will be January 04, 2020. This is the last of the renewal options available for this contract.



November 30, 2018

SUBJECT: Renewal of Contract # 4400014042 Contract Title: Workstation Computing Devices & Monitors Term of Renewal: January 05, 2019 to January 04, 2020 Renewal Security Required: Yes X No

Dear Mr. Lesko:

The Commonwealth is exercising its option to renew the Workstation Computing Devices & Monitors contract between the Commonwealth of Pennsylvania and Pomeroy IT Solutions Sales Company. Section I-15 Term states:

The contracts resulting from this IFB will commence on the effective date, as defined in **Appendix A –Terms and Conditions**, and will end in two (2) years, with three (3) one (1) year renewal options. The Commonwealth, in its sole discretion, may renew the contracts. Renewals may be for single or multiple year terms.

The Commonwealth is renewing the contract for one (1) year. The new termination date of the contract will be January 04, 2020. This will be the last of the three (3) renewals offered under this contract.

As of July 1, 2017, the Department of General Services rescinded the July 1, 2011, delegation of IT Procurement to the Office of Administration, resulting in the assignment of this contract to the Department of General Services. Future correspondence related to this contract should be addressed to me at the address set out below:

Raymond Jaime Department of General Services, Bureau of Procurement 555 Walnut Street, 6th Floor, Forum Place Harrisburg, PA 17101

The Commonwealth is requesting your acknowledgement of the contract renewal. Please confirm your acknowledgement by completing the bottom section of this letter and emailing a copy to me by close of business December 07, 2018.

Thank you for your prompt response. If you have any questions, please contact me at 717-346-3827 or riaime@pa.gov.



Raymond A. Jaime Commodity Specialist

I acknowledge the renewal of the above referenced contract for the above stated Term of Renewal, that all terms and conditions in the contract shall remain in full force.

Yes Signatur ontract Administrator

Department of General Services | 555 Walnut Street, Sixth Floor | Harrisburg, PA 17101-1904 | 717.346.3827 | www.dgs.pa.gov



Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 7 Change Effective Date : 05/02/2019

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors

Contract Period: Beginning January 05, 2019 and Ending January 04, 2020

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

Please reference the attached updated price list which includes the following change.

- Workstation 1: Hard drive swap from 500 GB SSD to the 512GB SSD at price parity in the base configuration.
- Workstation 2: Additional upgraded options, services and accessories

Fill in the sheet with Workstations for which a Bid is being submitted. All green and yellow cells must have entries for the Bid to be acceptable.

For Base Models:

- 1 Models must meet all the minimum requirements specified in this section.
- 2 Fill in all yellow capability cells. If the model meets the value in the requirement column, place an "X." If the model exceeds the value in the requirements column, enter the actual value.
- 3 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for the model proposed .
- 4 Do not fill in any shaded cells.

For Options:

- 1 If the model can be upgraded to the optional capability, enter the option in the Proposed Model Option column (yellow), enter the purchase price, annual lease price, and total lease price for the option in the green cost cells.
- 2 If the model already includes the capability in the base model price, enter "Included" in the green cost cells.
- 3 If the model cannot be upgraded to the optional capability, enter "Not available" in the green cost cells.
- 4 Do not fill in any shaded cells.
- For Services: 1 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for each service listed.

			Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Cost
Appendix C- Workstation 1 Requirements		Requirements for workstaton 1	Proposed Model and Capability HP Z2 TWR G4 WKS	\$ 1,432.20	Annual Lease Cost \$ 374.41	\$ 1,497.54
Chassis	Form Factor	Desktop-MiniTower	Tower			
	Maximum Size	15.7x6.7x17.4	14 x 6.7 x 17.1 in			
Processor	Processor Brand	Intel Core i7	Intel Core i7			
	Minimum Processor Class Minimum Base Processor Speed	3.4 GHz	Intel® CoreTM i7-8700 3.2 2666 6C CPU			
	Minimum Memory Size Minimum Hard Drive	16GB	16GB (2x8GB) DDR4 2666 DIMM NECC Memory			
Memory and Storage	Capacity	500GB or better	512GB 2.5in SATA Solid State Drive			
	Optical Drive Type Minimum Optical Drive Speed	DVD+/-RW 16X	9.5mm DVD-Writer 1st ODD 16X			
	Kevboard	USB Multimedia	USB Business Slim Wired Kevboard US HP Part # A892952 - Mnftr Part # 4FD-00025 - MICROSOFT			
Input Devices	Mouse	Full sized, laser USB 5 button min. including two buttons on sid	HARDWARE Microsoft Comfort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) – Symmetrical			
		8 (2 Front Mount)	US9 1000 Up 1 in Writer 5 bibliot(9) – Symmatica District 1 haughownicrophone combo; 2 US9 3.0 (1 charging); 1 US9 3.1 Gen 2 Type-C ™ US9 3.1 Gen 2 Type-C ™ DisplayPort™ 1.2; 2 US9 2.0; 4 US9 3.014 Immani: 1 US9 3.0; 2 US9 2.0 (1 US9 3.0 and 2 US9 2.0 ports available as 2 separate 2 x 10 (3.0 x 1; 2.0 x 1) and 2 x (2.0 x 2) Sides: Supports on P Internal US9.			
	Minimum total USB Ports Minimum USB 3.0 Ports	4 (2 Front Mount)	3 front - 6 back			
	VGA Port	none	none			
vo	DVI Port	1	1 DVI-I sinale link			
	DP Port RJ-45 Port	2	2 DisplayPort™ 1.2 1 RJ-45			
	Audio In/Out Ports	1/1	Conexant CX20632-31Z, 1.5W internal mono speaker			
	Mic	1	1 headphone/microphone combo Integrated Intel® 1219-EM PCIe® GBE; Intel® 1350-12 dual-port GBE			
	LAN	1 GB NIC	NIC			
	Speakers	Internal Windows 10 Professional 64-bit	Rear: 1 audio-in; 1 audio-out; 1			
	Operating System	2 GB NVIDIA Quadro K2000 (2DP and 1DVI-I) (2DP-DVI and	Microsoft Windows 10 Professional Edition 64bit OS NVIDIA Quadro K620 2GB DL-DVI(I)+DP+DP 1st No cables			
	Video/Graphics Card Chipset	1DVI-VGA adapter)	included Graphics - added 2DP-DVI and 1DVI-VGA adapters			
	Chipset Management	Intel® 8 Series (C226) Intel vPro Technology Enabled	Intel® C246 yes			
	Certification	Independent Software Vendor certified (ISV)	Yes			
Other	Sound Card	Integrated	Integrated			
	Documentation EPEAT Silver	Diagnostics and Drivers DVD Meet or exceed	Drivers can be found on HP.com Yes - EPEAT Gold registered in the U.S.			
	Energy Star	Meet or exceed	Yes - HP ENERGY STAR Qualified Configuration			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
			HP Care Pack:U1G56E 9x5 4-Hour Response On-Site Coverage (with or without Disk Retention available), 4 Yrs [use Disk Retention			
	Service Flat Panel Display	On-site service. 12 business-hour fix	Care Pack], and account management services			
	Minim Size	23 inch	HP EliteDisplay E233 Monitor and services U0J12E			
	Minimum Resolution	1920 x 1080	1920 x 1080			
Display	Titlt Capability	Yes	Swivel Range 45°L to 45°R Display height			
	VGA Interface	1 minimum	(1) VGA 1,8 m (5.9 ft) cable included 3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable			
	USB		1,8 m (5.9 ft)			
Particus Martin d	PORTS		(1) DisplayPort [™] 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort [™]	Purchase Upgrade Cost from		
Options Workstation 1 Base Operating System	Option Type	Proposed Model Option	(1) VGA HDCP support Yes, HDMI and DisplayPort™ Rules	Purchase Upgrade Cost from Base Pronosal	Annual Lease Cost	Total Lease Cost
Options Workstation 1 Base Operating System Processor		Proposed Model Option Win 10 Pro 64 Intel Xeon E-2178G 6C	 VGA HDCP support Yes, HDMI and DisplayPort[™] 		Annual Lease Cost	Total Lease Cost \$ 117.46
Base Operating System Processor Processor	Option Type Base Proposal Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core i7- 8700k 6C 95W	(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Base Proposal optional upgrade optional upgrade	Base Proposal Priced in base configuration		
Base Operating System Processor Processor Base Operating System	Option Type Base Proposal Upgrade Upgrade Base Proposal	Win 10 Pro 64 Intel Xeon E-2178G 6C Intel Core i7- 8700k 6C 95W Win 10 Pro 64	(1) VGA HDCP support Yes, HDMI and DisplayPort™ Rules Base Proposal optional upgrade optional upgrade Base Proposal	Base Pronosal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration	\$ 29.37 \$ 22.22	\$ 117.46 \$ 88.89
Base Operating System Processor Processor	Option Type Base Proposal Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core i7- 8700k 6C 95W	(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Base Proposal optional upgrade optional upgrade	Base Pronosal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration \$ 99.00	\$ 29.37	\$ 117.46
Base Operating System Processor Processor Base Operating System Operating System	Option Type Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core i7- 8700k 6C 98W Win 10 Pro 64 Win 10 Pro 64 WKST Plus	(1) VGA HDCP support Yes, HDMI and Display/Port ^{Yes} Reles Base Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected	Base Pronosal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration	\$ 29.37 \$ 22.22	\$ 117.46 \$ 88.89
Base Operating System Processor Base Operating System Operating System Base Operating System Common System Base Operating System Load	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core 7: 8700k 6C 65W Win 10 Pro 64 Win 10 Pro 64 WKST Plus Operating System Load to SATA	(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Rules Base Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Cption depends on harddrive type selected Base Proposal Base Proposal Cption depends on harddrive type selected Base Proposal	Base Pronosal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration \$ \$ 99.00 Priced in base configuration \$	\$ 29.37 \$ 22.22 \$ 26.19	\$ 117.46 \$ 88.89 \$ 104.76
Base Operating System Processor Processor Base Operating System Operating System Base Operating System Load Operating System Load Base Memory Memory	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-21766 6C Intel Core I7-8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 16GB (2x6GB) DDR4 2666 NECC 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM	(1) VGA HDCP support Yes, HDMI and Display/Port ^{Yes} Rules Rules Rase Proposal optional upgrade Option depends on processor selected Base Proposal Coption depends on hardidrive type selected Base Proposal Coption depends on hardidrive type selected Base Proposal must remove 16GB memory and replace with 32GB	Base Process Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration \$ 99.00 Priced in base configuration no additional cost Priced in base configuration \$ 112.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63	\$ 117.46 \$ 88.89 \$ 104.76
Base Operating System Processor Processor Base Operating System Operating System Base Operating System Load Operating System Load	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core I7-8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 16GB (2x80B) DDR4 2666 NECC 25GB (2x16GB) NDC4 0DR4-2130 AECC Unbuffered RAM 32GB (2x16GB) DDR4 2666 NECC	(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Rules Base Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Cption depends on harddrive type selected Base Proposal Base Proposal Cption depends on harddrive type selected Base Proposal	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 5 S 112.00 \$ 132.00 \$ 132.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63 \$ 36.51	\$ 117.46 \$ 86.89 \$ 104.76 n/a \$ 118.52 \$ 146.03
Base Operating System Processor Base Operating System Operating System Dase Operating System Load Operating System Load Base Memory Memory Memory	Option Type Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-21766 6C Intel Core I7-8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 16GB (2x6GB) DDR4 2666 NECC 32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM	(1) VGA HDCP support Yes, HDMI and DisplayPort ^{Yes} Rules Rules Base Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Coption depends on harddrive type selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 32GB	Base Process Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration \$ 99.00 Priced in base configuration no additional cost Priced in base configuration \$ 112.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63	\$ 117.46 \$ 88.89 \$ 104.76
Base Operating System Processor Processor Base Operating System Cperating System Base Operating System Load Cperating System Load Base Memory Memory Memory Base Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeen E-21760 6C Intel Cen 7: 8700K 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1668 (2406B) DDR4 2666 NECC 3268 (24166B) DDR4 2666 NECC 3268 (24166B) DDR4 2666 NECC 3268 (24166B) DDR4 2666 NECC 6468 (44166B) DDR4 2666 NECC	(1) VGA HDCP support Yes, HDMI and Disclary/Port** Rels Rels Rels Rels Rels roptional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB Base Proposal	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 5 \$ 112.00 \$ 138.00 \$ 768.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63 \$ 36.51 \$ 203.17	\$ 117.46 \$ 88.89 \$ 104.76 n/a \$ 118.52 \$ 118.52 \$ 146.03 \$ 812.70
Base Operating System Processor Base Operating System Operating System Operating System Dad Operating System Dad Operating System Dad Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core E-2176G 6C Win 10 Pro 65 056W Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 16GB (2x80B) DDR 4 2666 NECC 32GB (2x16GB) DDR 4 2666 NECC 32GB (2x16GB) DDR 4 2666 NECC 4GB (4x16GB) DDR 4 2666 NECC 94GB (4x16GB) DDR 4 2666 NECC 94GB (4x16GB) DDR 4 2666 NECC 34GB (4x16GB) DDR 4 2666 NECC	(1) VGA HDCP support Yes, HDMI and Display/Port ^{Yes} Rules Rules Rules Rules Getornal upgrade optional upgrade Gotornal Gotornal upgrade Gotornal Gotornal upgrade Gotorna	Priced in base configuration Priced in base configuration S 111.00 S 84.00 Priced in base configuration no additional cost Priced in base configuration S 112.00 S 182.00 S 768.00 S 958.00 Priced in base configuration S 130.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63 \$ 20.651 \$ 203.17 \$ 253.44 \$ 34.39	\$ 117.46 \$ 88.89 \$ 104.78 \$ 104.78 \$ 104.78 \$ 104.78 \$ 105.52 \$ 146.03 \$ 812.70 \$ 1013.76 \$ 137.57
Base Operating System Processor Processor Base Operating System Operating System Base Operating System Load Operating System Load Base Memory Memory Memory Base Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeen E-2176C 6C Intel Xeen E-2176C 6C Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to N.2 163B (2406B) DDR4 2666 NECC 32G8 (2416GB) DDR4 2666 NECC 3G8B (2416GB) DDR4 2666 NECC 64G8 (4416GB) DDR4 2666 NECC 64G8 (4416GB) DDR4 2666 NECC 512GB 25 SATA SBD TC 27 Unbo Direk 312GB 2280 TLC SSD 17 B 7200 SATA 3.5in WKS	(1) VGA HDCP support Yes, HDMI and Disclary/Port** Rels Rels Rels Rels Rels roptional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB Base Proposal	Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 99.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 138.00 no additional cost 130.00 no additional cost 100.00	\$ 29.37 \$ 22.22 \$ 26.19	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 1.013.76
Base Operating System Processor Base Operating System Coperating System Coad Operating System Load Operating System Load Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive	Option Type Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core E-2176G 6C Win 10 Pro 65 056W Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 16GB (2x80B) DDR 4 2666 NECC 32GB (2x16GB) DDR 4 2666 NECC 32GB (2x16GB) DDR 4 2666 NECC 4GB (4x16GB) DDR 4 2666 NECC 94GB (4x16GB) DDR 4 2666 NECC 94GB (4x16GB) DDR 4 2666 NECC 34GB (4x16GB) DDR 4 2666 NECC	(1) VGA HDCP support Yes, HDMI and Display/Port ^{Yes} Rules Rule	Priced in base configuration Priced in base configuration S 111.00 S 84.00 Priced in base configuration no additional cost Priced in base configuration S 112200 S 182.00 S 768.00 S 958.00 Priced in base configuration S 130.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63 \$ 20.651 \$ 203.17 \$ 253.44 \$ 34.39	\$ 117.46 \$ 88.89 \$ 104.78 \$ 104.78 \$ 104.78 \$ 104.78 \$ 105.52 \$ 146.03 \$ 812.70 \$ 1013.76 \$ 137.57
Base Operating System Processor Base Operating System Coerating System Coerating System Coerating System Base Operating System Coad Coerating System Coad Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeen E-21760 6C Intel Cere 7: 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1668 (2608) DDR4 2666 NECC 32GB (2x16G8) DDR4 2666 NECC 32GB (2x16G8) DDR4 2666 NECC 64G8 (4x16G8) DDR4 2666 NECC 64G8 (4x16G8) DDR4 2666 NECC 64G8 (4x16G8) DDR4 2666 NECC 312GB 228 TLC SSD 7 Urbo Dme 512GB 2280 TLC SSD 7 TIB 7200 SATA 3.5in 2ndWKS	(1) VGA HDCP support Yes, HDMI and Display/Port ^{Yes} Rules Rules Rules Rules Genomial upgrade optional upgrade Genomial upg	Priced in base configuration \$ 111.00 \$ 111.00 \$ 84.00 Priced in base configuration \$ 99.00 Priced in base configuration Priced in base configuration \$ 112.00 \$ 138.00 \$ 958.00 Priced in base configuration \$ 138.00 \$ 958.00 Priced in base configuration \$ 130.00 no additional cost no additional cost	\$ 29.37 \$ 22.22 \$ 26.19 	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 14.03.76 \$ 137.57 n/a n/a
Base Operating System Processor Base Operating System Operating System Coperating System Base Operating System Load Operating System Load Coperating System Load Memory Memory Memory Memory Memory Base Harddrive	Option Type Base Proposal Upgrade	Win 10 Pro 64 Intel Xere E-2176C 6C Intel Xere E-2176C 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to XATA Stable ZateGB) DDR4 2666 NECC Stable ZateGB) DR4 2666 NECC Stable ZateGB) DR4 2666 NECC Stable ZateGB) DR4 2660 NECC <td< td=""><td>(1) VGA HDCP support Yes, HDMI and Display/Port** Rules Rules Rules Rules Cptional upgrade Cptional upgrade Cption depends on processor selected Base Proposal Cption depends on processor selected Base Proposal Cption depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 64GB Base Proposal must remove 32GB memory and replace with 64GB Base Proposal must remove selecting harddrive,only one harddrive allowed 2nd HDD only available if TTB 2 Turbo (1th hard drive) is selected* must remove existing harddrive,only one harddrive allowed 2nd HDD only available if TTB 2 Turbo (1th hard drive) is selected* must remove existing harddrive,only one harddrive allowed</td><td>Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 5 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 130.00 no additional cost no additional cost no additional cost 165.00 \$ 165.00 \$ 165.00</td><td>\$ 29.37 \$ 22.22 \$ 26.19 </td><td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 147.60 \$ 174.60 \$ 1</td></td<>	(1) VGA HDCP support Yes, HDMI and Display/Port** Rules Rules Rules Rules Cptional upgrade Cptional upgrade Cption depends on processor selected Base Proposal Cption depends on processor selected Base Proposal Cption depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 64GB Base Proposal must remove 32GB memory and replace with 64GB Base Proposal must remove selecting harddrive,only one harddrive allowed 2nd HDD only available if TTB 2 Turbo (1th hard drive) is selected* must remove existing harddrive,only one harddrive allowed 2nd HDD only available if TTB 2 Turbo (1th hard drive) is selected* must remove existing harddrive,only one harddrive allowed	Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 5 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 130.00 no additional cost no additional cost no additional cost 165.00 \$ 165.00 \$ 165.00	\$ 29.37 \$ 22.22 \$ 26.19 	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 147.60 \$ 174.60 \$ 1
Base Operating System Processor Base Operating System Coerating System Coerating System Coerating System Base Operating System Coad Coerating System Coad Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeen E-21760 6C Intel Cen 7- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1668 (24068) DDR4 2666 NECC 32GB (241608) DDR4 2666 NECC 32GB (241608) DDR4 2666 NECC 32GB (241608) DDR4 2666 NECC 34GB (441608) DDR4 2666 NECC 9408 (441608) DDR4 2666 NECC 91208 258 34T ASD TC 2 Turbo Dime 1162 2280 TLC SSD 11B 7200 SATA 3.5in 2ndWKS 2 Turbo Dime 118 2280 TLC SSD 2 Turbo Dime 118 2280 TLC 2nd SSD 2 TB 7200 SATA 3.5in 2nd	(1) VGA HDCP support Yes, HDMI and Display/Port ^{Yes} Rules Rules Rules Rules Genomial upgrade optional upgrade Genomial upg	Base Process Priced in base configuration \$ 111.00 \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 118.00 \$ 768.00 \$ 968.00 Priced in base configuration \$ \$ 100.00 no additional cost \$ \$ 165.00 \$ 165.00 \$ 30.00	\$ 2937 \$ 2222 \$ 2222 \$ 26.19 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n/a n/a \$ 43.65 \$ 53.65 \$ 55.65 \$	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 812.70 \$ 1,013.76 \$ 137.57 n/a n/a \$ 174.60 \$ 174.60
Base Operating System Processor Processor Base Operating System Coperating System Coperating System Base Operating System Coperating System Base Memory Memory Memory Base Harddrive	Option Type Base Proposal Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade <td>Win 10 Pro 64 Intel Xere E-2176C 6C Intel Xere E-2176C 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to XATA Stable ZateGB) DDR4 2666 NECC Stable ZateGB) DR4 2666 NECC Stable ZateGB) DR4 2666 NECC Stable ZateGB) DR4 2660 NECC <td< td=""><td>(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Rules Rules Rules Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Option depends on processor selected Base Proposal Cption depends on processor selected Base Proposal Cption depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 32GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove existing harddrive, only one harddrive allowed 2nd HDD only available if 1TB (1st hard drive) is selected* must remove available if 1TB Z Turbo (1st hard drive) is selected*</td><td>Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 5 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 130.00 no additional cost no additional cost no additional cost 165.00 \$ 165.00 \$ 165.00</td><td>\$ 29.37 \$ 22.22 \$ 26.19 </td><td>\$ 117.46 \$ 88.89 \$ 104.76 <i>n/a</i> \$ 118.52 \$ 146.03 \$ 812.70 \$ 118.52 \$ 146.03 \$ 812.70 \$ 117.67 <i>n/a</i> 107.67 \$ 137.67 <i>n/a</i> \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60</td></td<></td>	Win 10 Pro 64 Intel Xere E-2176C 6C Intel Xere E-2176C 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to XATA Stable ZateGB) DDR4 2666 NECC Stable ZateGB) DR4 2666 NECC Stable ZateGB) DR4 2666 NECC Stable ZateGB) DR4 2660 NECC <td< td=""><td>(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Rules Rules Rules Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Option depends on processor selected Base Proposal Cption depends on processor selected Base Proposal Cption depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 32GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove existing harddrive, only one harddrive allowed 2nd HDD only available if 1TB (1st hard drive) is selected* must remove available if 1TB Z Turbo (1st hard drive) is selected*</td><td>Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 5 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 130.00 no additional cost no additional cost no additional cost 165.00 \$ 165.00 \$ 165.00</td><td>\$ 29.37 \$ 22.22 \$ 26.19 </td><td>\$ 117.46 \$ 88.89 \$ 104.76 <i>n/a</i> \$ 118.52 \$ 146.03 \$ 812.70 \$ 118.52 \$ 146.03 \$ 812.70 \$ 117.67 <i>n/a</i> 107.67 \$ 137.67 <i>n/a</i> \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60</td></td<>	(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Rules Rules Rules Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Option depends on processor selected Base Proposal Cption depends on processor selected Base Proposal Cption depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 32GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove existing harddrive, only one harddrive allowed 2nd HDD only available if 1TB (1st hard drive) is selected* must remove available if 1TB Z Turbo (1st hard drive) is selected*	Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 5 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 130.00 no additional cost no additional cost no additional cost 165.00 \$ 165.00 \$ 165.00	\$ 29.37 \$ 22.22 \$ 26.19 	\$ 117.46 \$ 88.89 \$ 104.76 <i>n/a</i> \$ 118.52 \$ 146.03 \$ 812.70 \$ 118.52 \$ 146.03 \$ 812.70 \$ 117.67 <i>n/a</i> 107.67 \$ 137.67 <i>n/a</i> \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60
Base Operating System Processor Processor Base Operating System Codeprating System Code Coperating System Cod Coperating System Cod Base Operating System Cod Coperating System Cod Base Operating System Cod Coperating Cop	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeno E-21760 6C Intel Xeno E-21760 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1660 (2x608) DR4 2666 NECC 32G8 (2x1608) DR4 2666 NECC 4G8 (4x1608) DR4 2666 NECC 4G8 (4x1608) DR4 2666 NECC 4G8 (4x1608) DR4 2666 NECC 2Turbo Drive \$1738 2280 TLC SSD 1TB 7200 SATA 3.5m 2xdWKS 2 Turbo Drive 1TB 2280 TLC SSD	(1) VGA HDCP support Yes, HDMI and Display/Port ^{Yes} Rules Rules Rules Rules Rules Rules Rules Rules Rules Roposal Qptional upgrade Qption depends on processor selected Base Proposal Qption depends on processor selected Base Proposal Rust remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove existing harddrive, only one harddrive allowed must remove existing harddrive, only one harddrive allowed 2nd HDD only available if 1TB 2 Turbo (1th hard drive) is selected* must remove existing harddrive, only one harddrive allowed 2nd HDD only available if 1TB 2 Turbo (1th hard drive) is selected* must remove existing harddrive, only one harddrive allowed 2nd HDD only available if TB 2 Turbo (1th hard drive) is selected* must remove existing harddrive, only one harddrive allowed 2nd HDD only available if TB 2 Turbo (1th hard drive) is selected* must remove existing farghrics Card, only one card allowed must remove existing farghrics Card, only one card allowed must remove existing Graphics Card, only one card allowed	Priced in base configuration Priced in base configuration S 111.00 S 84.00 Priced in base configuration no additional cost Priced in base configuration S 112200 S 138.00 S 138.00 S 958.00 Priced in base configuration S 958.00 Priced in base configuration S 165.00 S 165.00 S 30.00 Priced in base configuration	\$ 2937 \$ 2222 \$ 28.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 34.39 n/a n/a \$ 343.65 \$ 3	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 117.76 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$ 1
Base Operating System Processor Base Operating System Coperating System Coperating System Base Operating System Coad Operating System Coad Base Memory Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Harddrive BasedRephics Card Oraphics Card Sea Card	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade <td>Win 10 Pro 64 Intel Xeon E-21760 GC Intel Xeon E-21760 GC Intel Core IE-21760 GC Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 I608 (2x808) DDR 4 2666 NECC 3268 (2x1608) DDR 4 2666 NECC 3268 (2x1608) DDR 4 2666 NECC 3468 (2x1608) DDR 4 2666 NECC 34708 2580 TLC SD 2 Turbo Drive 51288 2280 TLC SD 117 2200 SATA 350 200 SD 2 Turbo Drive 118 2280 TLC SD 2 Turbo Drive 118 2280 TLC 200 SD <td< td=""><td>(1) VGA HDCP support Yes, HDMI and Display/Port^{Yes} Rules Rules Rules Rules Genomial upgrade optional upgrade Genomial upg</td><td>Priced in base configuration S 111.00 S 84.00 Priced in base configuration No additional cost Priced in base configuration no additional cost Priced in base configuration S 112000 S 138.00 S 768.00 S 768.00 S 968.00 Priced in base configuration S 165.00 S 165.00 S 165.00 S 300.00 Priced in base configuration S 165.00 S 165.0</td><td>\$ 2937 \$ 2222 \$ 2222 \$ 26.19 \$ 2963 \$ 3651 \$ 203.17 \$ 263.44 \$ 34.39 n/a \$ 34.36 \$ 4.365 \$ 34.39 n/a \$ 34.36 \$ 35.37 \$ 3</td><td>\$ 117.46 \$ 88.89 \$ 104.78 \$ 104.78 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$ /td></td<></td>	Win 10 Pro 64 Intel Xeon E-21760 GC Intel Xeon E-21760 GC Intel Core IE-21760 GC Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 I608 (2x808) DDR 4 2666 NECC 3268 (2x1608) DDR 4 2666 NECC 3268 (2x1608) DDR 4 2666 NECC 3468 (2x1608) DDR 4 2666 NECC 34708 2580 TLC SD 2 Turbo Drive 51288 2280 TLC SD 117 2200 SATA 350 200 SD 2 Turbo Drive 118 2280 TLC SD 2 Turbo Drive 118 2280 TLC 200 SD <td< td=""><td>(1) VGA HDCP support Yes, HDMI and Display/Port^{Yes} Rules Rules Rules Rules Genomial upgrade optional upgrade Genomial upg</td><td>Priced in base configuration S 111.00 S 84.00 Priced in base configuration No additional cost Priced in base configuration no additional cost Priced in base configuration S 112000 S 138.00 S 768.00 S 768.00 S 968.00 Priced in base configuration S 165.00 S 165.00 S 165.00 S 300.00 Priced in base configuration S 165.00 S 165.0</td><td>\$ 2937 \$ 2222 \$ 2222 \$ 26.19 \$ 2963 \$ 3651 \$ 203.17 \$ 263.44 \$ 34.39 n/a \$ 34.36 \$ 4.365 \$ 34.39 n/a \$ 34.36 \$ 35.37 \$ 3</td><td>\$ 117.46 \$ 88.89 \$ 104.78 \$ 104.78 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$ /td></td<>	(1) VGA HDCP support Yes, HDMI and Display/Port ^{Yes} Rules Rules Rules Rules Genomial upgrade optional upgrade Genomial upg	Priced in base configuration S 111.00 S 84.00 Priced in base configuration No additional cost Priced in base configuration no additional cost Priced in base configuration S 112000 S 138.00 S 768.00 S 768.00 S 968.00 Priced in base configuration S 165.00 S 165.00 S 165.00 S 300.00 Priced in base configuration S 165.00 S 165.0	\$ 2937 \$ 2222 \$ 2222 \$ 26.19 \$ 2963 \$ 3651 \$ 203.17 \$ 263.44 \$ 34.39 n/a \$ 34.36 \$ 4.365 \$ 34.39 n/a \$ 34.36 \$ 35.37 \$ 3	\$ 117.46 \$ 88.89 \$ 104.78 \$ 104.78 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$
Base Operating System Processor Processor Base Operating System Codeprating System Code Coperating System Cod Coperating System Cod Base Operating System Cod Coperating System Cod Base Operating System Cod Coperating Cop	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeno E-21760 6C Intel Xeno E-21760 6C Intel Core 07-87006 KC 050W Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1660 (2x808) DDR4 2666 NECC 32G8 (2x1608) DDR4 2666 NECC 64G8 (4x1608) DDR4 2666 NECC 64G8 (4x1608) DDR4 2666 NECC 64G8 (4x1608) DDR4 2668 NECC 27 Unb Drive 51768 2280 TLC SSD 1178 7200 SATA 3.5m 2/kdWKS 2 Turbo Drive 1178 2280 TLC SSD 2 TB 7200 SATA 3.5m 2.7d </td <td>(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Rules Rules Rules Rules roptional upgrade optional upgrade Base Proposal Cption depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 54GB must remove 32GB memory and replace with 64GB must remove a32GB memory and replace with 64GB must remove a32GB memory and replace with 64GB must remove existing harddrive,only one harddrive allowed nust remove existing harddrive,only one harddrive allowed rust remove existing harddrive,only one harddrive allowed 2nd HDD only available If TTB 2 Turbo (1th hard drive) is selected* Base Proposal must remove existing harddrive,only one harddrive allowed 2nd HDD only available If TB 2 Turbo (1th hard drive) is selected* Base Proposal must remove existing Graphics Card,only one card allowed must remove existing Graphics Card,only one card allowed</td> <td>Base Proposal Priced in base configuration \$ 111.00 \$ 96.00 Priced in base configuration 96.00 Priced in base configuration 0.00 Priced in base configuration 0.00 \$ 9.00 Priced in base configuration 0.00 \$ 1.12.00 \$ 1.12.00 \$ 1.00 \$ 1.00.00 \$ 9.00.00 \$ 9.00.00 \$ 9.00.00 \$ 9.00.00 \$ 9.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 9.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00</td> <td>\$ 2937 \$ 2222 \$ 28.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 29.63 \$ 3651 \$ 203.17 \$ 253.44 \$ 343.65 \$ 343.</td> <td>\$ 117.46 \$ 88.89 \$ 104.76 <i>n/a</i> \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 812.70 \$ 146.03 \$ 112.70 \$ 137.57 <i>n/a</i> <i>n/a</i> \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 112.17 \$ 5554.50 \$ 1140.84</td>	(1) VGA HDCP support Yes, HDMI and DisplayPort** Rules Rules Rules Rules Rules roptional upgrade optional upgrade Base Proposal Cption depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 54GB must remove 32GB memory and replace with 64GB must remove a32GB memory and replace with 64GB must remove a32GB memory and replace with 64GB must remove existing harddrive,only one harddrive allowed nust remove existing harddrive,only one harddrive allowed rust remove existing harddrive,only one harddrive allowed 2nd HDD only available If TTB 2 Turbo (1th hard drive) is selected* Base Proposal must remove existing harddrive,only one harddrive allowed 2nd HDD only available If TB 2 Turbo (1th hard drive) is selected* Base Proposal must remove existing Graphics Card,only one card allowed	Base Proposal Priced in base configuration \$ 111.00 \$ 96.00 Priced in base configuration 96.00 Priced in base configuration 0.00 Priced in base configuration 0.00 \$ 9.00 Priced in base configuration 0.00 \$ 1.12.00 \$ 1.12.00 \$ 1.00 \$ 1.00.00 \$ 9.00.00 \$ 9.00.00 \$ 9.00.00 \$ 9.00.00 \$ 9.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 9.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00 \$ 1.00.00	\$ 2937 \$ 2222 \$ 28.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 29.63 \$ 3651 \$ 203.17 \$ 253.44 \$ 343.65 \$ 343.	\$ 117.46 \$ 88.89 \$ 104.76 <i>n/a</i> \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 812.70 \$ 146.03 \$ 112.70 \$ 137.57 <i>n/a</i> <i>n/a</i> \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 112.17 \$ 5554.50 \$ 1140.84
Base Operating System Processor Processor Base Operating System Operating System Coperating System Base Operating System Coperating System Base Memory Memory Memory Memory Base Marddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Coperating Coperat	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xenz E-2176G 6C Intel Xenz E-2176G 6C Intel Xenz E-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to N.2 16GB (2x80B) DDR 4 2666 NECC 32GB (2x16GB) DDR 4 2666 NECC 32GB (2x16GB) DDR 4 2666 NECC 34GB (2x16GB) DR 4 2666 NECC 21GB 25 STAT ASD TC 2 Turbo Drive ST32 260 TLC SSD 1TB 7200 SATA 3 5in 2rdvKS 2 Turbo Drive ST8 2260 TLC SSD 1 TB	(1) VGA HDCP support %*. HDMI and Display/Port% Rules Rules Rules Rules Rules Rules reptional upgrade optional upgrade Base Proposal Cption depends on processor selected Base Proposal Rules reposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove assering handdrive,only one handdrive allowed must remove existing handdrive,only one handdrive allowed Tat POD only available if TTB 2 Turbo (1th hard drive) is selected* must remove existing handdrive,only one handdrive allowed Zoh HDD only available if TTB 2 Turbo (1th hard drive) is selected* Base Proposal must remove existing handdrive,only one handdrive allowed Zoh HDD only available if TTB 2 Turbo (1th hard drive) is selected* Base Proposal must remove existing handdrive,only one handdrive allowed Zoh HDD only available if TTB 2 Turbo (1th hard drive) is selected* Base Proposal must remove existing Graphics Card,only one card allowed MISC	Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 120.01 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 138.00 Priced in base configuration 5 \$ 165.00 \$ 165.00 \$ 30.00 Priced in base configuration \$ 106.00 \$ 106.00	\$ 29.37 \$ 22.22 \$ 22.22 \$ 26.19 	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 117.76 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$ 1
Base Operating System Processor Processor Base Operating System Coperating System Base Operating System Coperating System Base Memory Memory Memory Memory Base Harddrive Harddr	Option Type Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-21760 6C Intel Xeon E-21760 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to SATA Generating System Load to SATA Generating System Load to M2 1666 (2x869) DOR4 2666 NECC 3408 (2x1608) DOR4 2666 NECC 6408 (4x1608) DOR4 2666 NECC 6408 (4x1608) DOR4 2666 NECC 6408 (4x1608) DOR4 2666 NECC 51208 2.5 SATA SSD TC Z Turbo Drive 51208 2280 TLC SSD 1TB 7200 SATA 3.5 m WKS 2 Turbo Drive 1TB 2280 TLC SSD 2 Turbo Drive 1TB 2.280 TLC SSD 2 Turbo Drive 1TB 2280 TLC SSD 2 Turbo Drive 1TB 2.280 TLC SSD 2 Turbo Drive 1TB 2.280 TLC SSD 2 The 2.50 SAT A 3.5 m.2 nd Nid Oct 268 P520 (4)OP Craphics Nid Oct 268 P520 (4)OP Craphics Nid Oct 4	(1) VGA HDCP support %*, HDMI and Display/Port%	Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 0 \$ 99.00 Priced in base configuration 0 \$ 112.00 \$ 118.00 \$ 118.00 \$ 138.00 Priced in base configuration 5 \$ 198.00 Priced in base configuration 5 \$ 198.00 Priced in base configuration 5 \$ 198.00 Priced in base configuration 5 \$ 165.00 \$ 165.00 \$ 165.00 \$ 106.00 \$ 5 \$ 106.00 \$ 5 \$ 5.00 \$ 5.00 \$ 5.00 \$ 2.00 Purchase Cost <td>\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 203.17 \$ 263.44 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 3.651 \$ 203.17 \$ 253.44 \$ 3.651 \$ 3.651 \$ 203.17 \$ 253.44 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.655</td> <td>\$ 117.46 \$ 88.89 \$ 104.76 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 112.70 \$ 137.67 n/a 137.67 n/a \$ 177.60 \$ /td>	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 203.17 \$ 263.44 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 3.651 \$ 203.17 \$ 253.44 \$ 3.651 \$ 3.651 \$ 203.17 \$ 253.44 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.655	\$ 117.46 \$ 88.89 \$ 104.76 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 112.70 \$ 137.67 n/a 137.67 n/a \$ 177.60 \$
Base Operating System Processor Base Operating System Operating System Base Operating System Load Operating System Load Base Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Harddrive Base Graphics Card Graphics Card Graphics Card MisC MisC Wisch Operating Statem Accessory Options	Option Type Base Proposal Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade <td>Win 10 Pro 64 Intel Xenc E-21760 6C Intel Xenc E-21760 6C Intel Xenc E-21760 6C Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 1660 (2x608) DOR4 2666 NECC 32G8 (2x1608) DOR4 2666 NECC 4G8 (4x1608) DOR4 2666 NECC 4G8 (4x1608) DOR4 2666 NECC 4G8 (4x1608) DOR4 2668 NECC 4G8 (4x1608) DOR4 2668 NECC 4G8 (4x1608) DOR4 2668 NECC 1718 720 SATA 35m 200 NL2 SSD 1718 7200 SATA 35m 2md/VKS 2 Turbo Drive 178 2280 TLC SSD 2 Turbo Drive 178 2280 TLC Drive Driptics Nud Gdr 508 P2000 (4)DP PUD Graphics Nud Gdr 508 P2000 (4)DP PUD Driptics Nu</td> <td>(1) VGA HDCP support %s, HDMI and DisplayPort*</td> <td>Base Protocol Priced in base configuration \$ 111.00 \$ 90.00 Priced in base configuration 90.00 Priced in base configuration 112.00 \$ 90.00 Priced in base configuration 112.00 \$ 112.00 \$ 138.00 \$ 138.00 \$ 958.00 Priced in base configuration 5 \$ 958.00 Priced in base configuration 5 \$ 958.00 Priced in base configuration 5 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 106.00 \$ 5 \$ 1389.00 \$ 5.00 \$ 2.00 Purchase Cost 5.00</td> <td>\$ 2937 \$ 2222 \$ 28.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 365 \$ 343.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 343.65 \$ 43.65 \$ 29.63 \$ 367.46 \$ 198.62 \$ 367.46 \$ 198.62 \$ 367.46 \$ 198.62 \$ 367.46 \$ 198.62 \$ 367.46 \$ /td> <td>\$ 117.46 \$ 88.89 \$ 104.76 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 812.70 \$ 137.57 n/a 137.57 n/a \$ 137.57 n/a \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.60 \$ 174.60 \$ 2.12 \$ 554.50 \$ 1469.84 \$ 2.22 \$ 2.22 \$ 104.76 \$ 2.22 \$ 104.76 \$ 12.70 \$ 12.70 \$ 137.57 \$ 12.17 \$ 554.50 \$ 2.12 \$ 2.12 \$ 104.08 \$ 2.12 \$ 104.52 \$ 2.12 \$ 104.52 \$ 105.57 \$ 10</td>	Win 10 Pro 64 Intel Xenc E-21760 6C Intel Xenc E-21760 6C Intel Xenc E-21760 6C Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 1660 (2x608) DOR4 2666 NECC 32G8 (2x1608) DOR4 2666 NECC 4G8 (4x1608) DOR4 2666 NECC 4G8 (4x1608) DOR4 2666 NECC 4G8 (4x1608) DOR4 2668 NECC 4G8 (4x1608) DOR4 2668 NECC 4G8 (4x1608) DOR4 2668 NECC 1718 720 SATA 35m 200 NL2 SSD 1718 7200 SATA 35m 2md/VKS 2 Turbo Drive 178 2280 TLC SSD 2 Turbo Drive 178 2280 TLC Drive Driptics Nud Gdr 508 P2000 (4)DP PUD Graphics Nud Gdr 508 P2000 (4)DP PUD Driptics Nu	(1) VGA HDCP support %s, HDMI and DisplayPort*	Base Protocol Priced in base configuration \$ 111.00 \$ 90.00 Priced in base configuration 90.00 Priced in base configuration 112.00 \$ 90.00 Priced in base configuration 112.00 \$ 112.00 \$ 138.00 \$ 138.00 \$ 958.00 Priced in base configuration 5 \$ 958.00 Priced in base configuration 5 \$ 958.00 Priced in base configuration 5 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 106.00 \$ 5 \$ 1389.00 \$ 5.00 \$ 2.00 Purchase Cost 5.00	\$ 2937 \$ 2222 \$ 28.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 365 \$ 343.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 343.65 \$ 43.65 \$ 29.63 \$ 367.46 \$ 198.62 \$ 367.46 \$ 198.62 \$ 367.46 \$ 198.62 \$ 367.46 \$ 198.62 \$ 367.46 \$	\$ 117.46 \$ 88.89 \$ 104.76 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 812.70 \$ 137.57 n/a 137.57 n/a \$ 137.57 n/a \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.60 \$ 174.60 \$ 2.12 \$ 554.50 \$ 1469.84 \$ 2.22 \$ 2.22 \$ 104.76 \$ 2.22 \$ 104.76 \$ 12.70 \$ 12.70 \$ 137.57 \$ 12.17 \$ 554.50 \$ 2.12 \$ 2.12 \$ 104.08 \$ 2.12 \$ 104.52 \$ 2.12 \$ 104.52 \$ 105.57 \$ 10
Base Operating System Processor Processor Base Operating System Coperating System Base Operating System Coperating System Base Memory Memory Memory Memory Base Harddrive Harddr	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade <	Win 10 Pro 64 Intel Xeon E-21760 6C Intel Xeon E-21760 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to SATA Generating System Load to SATA Generating System Load to M2 1666 (2x869) DOR4 2666 NECC 3408 (2x1608) DOR4 2666 NECC 6408 (4x1608) DOR4 2666 NECC 6408 (4x1608) DOR4 2666 NECC 6408 (4x1608) DOR4 2666 NECC 51208 2.5 SATA SSD TC Z Turbo Drive 51208 2280 TLC SSD 1TB 7200 SATA 3.5 m WKS 2 Turbo Drive 1TB 2280 TLC SSD 2 Turbo Drive 1TB 2.280 TLC SSD 2 Turbo Drive 1TB 2280 TLC SSD 2 Turbo Drive 1TB 2.280 TLC SSD 2 Turbo Drive 1TB 2.280 TLC SSD 2 The 2.50 SAT A 3.5 m.2 nd Nid Oct 268 P520 (4)OP Craphics Nid Oct 268 P520 (4)OP Craphics Nid Oct 4	(1) VGA HDCP support %*, HDMI and Display/Port%* Rules Rule Rules Rules Rule Rule Rule Rule Rule Rule Rule Rule	Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 0 \$ 99.00 Priced in base configuration 0 \$ 112.00 \$ 118.00 \$ 118.00 \$ 138.00 Priced in base configuration 5 \$ 198.00 Priced in base configuration 5 \$ 198.00 Priced in base configuration 5 \$ 198.00 Priced in base configuration 5 \$ 165.00 \$ 165.00 \$ 165.00 \$ 106.00 \$ 5 \$ 106.00 \$ 5 \$ 5.00 \$ 5.00 \$ 5.00 \$ 2.00 Purchase Cost <td>\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 203.17 \$ 263.44 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 3.651 \$ 203.17 \$ 253.44 \$ 3.651 \$ 3.651 \$ 203.17 \$ 253.44 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.655</td> <td>\$ 117.46 \$ 88.89 \$ 104.76 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 112.70 \$ 137.67 n/a 137.67 n/a \$ 177.60 \$ /td>	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 203.17 \$ 263.44 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 3.651 \$ 203.17 \$ 253.44 \$ 3.651 \$ 3.651 \$ 203.17 \$ 253.44 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.655 \$ 3.6746 \$ 3.655 \$ 3.655	\$ 117.46 \$ 88.89 \$ 104.76 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 112.70 \$ 137.67 n/a 137.67 n/a \$ 177.60 \$
Base Operating System Processor Processor Base Operating System Coperating System Cod Operating System Cod Operating System Cod Base Operating System Cod Base Operating System Cod Base Operating System Cod Base Memory Memory Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Base Operating Cod Base Cod B	Option Type Base Proposal Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xenc E-21760 GC Intel Xenc E-21760 GC Intel Xenc E-21760 GC Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to SATA Operating System Load to M.2 1660 (2x808) DDR4 2666 NECC 32G8 (2x16G8) DDR4 2666 NECC 4G8 (4x16G8) DDR4 2668 NECC 512G8 2-5 SATA S5D TC Z Turbo Drive 512G8 2280 TLC SSD 1178 7200 SATA 3.5m 2/mWKS 2 Turbo Drive 118 2280 TLC SSD 2 Turbo Drive 118 2280 TLC SD 3 Turbo Drive 118 2280 TLC SD 2 Turbo Drive 118 2280 TLC Drive Drive 118 2-D SATA 3.5m 2-dd Nrd Gdr 508 P2000 (4)DP Graphics Nrd Gdr 508 P2000 (4)DP Graphics<	(1) VGA HDCP support %s, HDMI and DisplayPort*	Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 12.00 \$ 138.00 \$ 958.00 Priced in base configuration \$ 138.00 \$ 106.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 168.00 \$ 168.00 \$ 165.00 \$ 168.00 \$ 168.00 \$ 168.00 \$ 168.00 \$ 168.00 \$ 168.00 \$ <t< td=""><td>\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a n'a \$ 34.36 \$ 36.62 \$ 36.</td><td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 146.03 \$ 142.70 \$ 142.70 \$ 137.57 n/a 137.57 n/a \$ 137.57 n/a \$ 137.55 \$ 137.55 \$ 137.55 \$ 146.08 \$ 174.60 \$ 2.12 \$ 2.12 \$ 2.554.50 \$ 146.94 \$ 2.52 \$ 2.22 \$ 2.212 \$ 2.212 \$ 2.12 \$ 10.58</td></t<>	\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a n'a \$ 34.36 \$ 36.62 \$ 36.	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 146.03 \$ 142.70 \$ 142.70 \$ 137.57 n/a 137.57 n/a \$ 137.57 n/a \$ 137.55 \$ 137.55 \$ 137.55 \$ 146.08 \$ 174.60 \$ 2.12 \$ 2.12 \$ 2.554.50 \$ 146.94 \$ 2.52 \$ 2.22 \$ 2.212 \$ 2.212 \$ 2.12 \$ 10.58
Base Operating System Processor Processor Base Operating System Coperating System Cod Operating System Cod Operating System Cod Base Operating System Cod Base Operating System Cod Base Marony Memory Memory Memory Memory Memory Memory Base Mardnive Base Mardnive Harddrive Harddrive Harddrive Base Maronie Base Maronie Cod Base Maronie Cod Base Maronie Cod Base Co	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xenc F-21760 6C Intel Xenc F-21760 6C Intel Xenc F-21760 6C Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to SATA Operating System Load to M.2 ISGB (2x160B) DDR4 2666 NECC SGGB (2x160B) DDR4 2666 NECC GGGB 2x160B) DDR4 2666 NECC GGGB 2x10 SGB 2280 TLC SSD T17 2200 SATA 3.5m 2ndWKS Z Turbo Drive 11B 2280 TLC SSD Z Turbo Drive 11B 2280 TLC 2nd SSD T17 220 SATA 3.5m 2ndWKS Z Turbo Drive 11B 2280 TLC 2nd SSD T17 220 SATA 3.5m 2nd W1 Gdr 268 P620 (d)nDP Graphics Nid Gdr 268 P620 (d)nDP Graphics Nid Gdr 368 P620 (d)nDP Chaphics Nid Gdr 368 P620 (d)nDP Chy	(1) VGA HDCP support Ver, HDMI and Display/Port ¹⁹⁴ Rules Rules Rules Getornal upgrade optional upgrade Defond appinds on processor selected Defond appinds Defond appind Defond appind Defond appind Defond appinds Defond appind Defond appinds Defond appind Defond appind Defond appind Defond appinds Defond appind Defond appind Defond appind Defond appinds Defond a	Base Protocol Priced in base configuration \$ 111.00 \$ 90.00 Priced in base configuration 90.00 Priced in base configuration 112.00 \$ 90.00 Priced in base configuration 112.00 \$ 112.00 \$ 138.00 \$ 96.00 Priced in base configuration 5 \$ 138.00 \$ 96.00 Priced in base configuration 5 \$ 138.00 \$ 96.00 Priced in base configuration 5 \$ 165.00 \$ 165.00 \$ 165.00 \$ 166.00 \$ 106.00 \$ 1389.00 \$ 1389.00 \$ 2.00 Purchase Cost 15.00 \$ 15.00 \$ 15.00	\$ 2937 \$ 2222 \$ 28.19 \$ 28.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 20.651 \$ 203.17 \$ 253.44 \$ 263.44 \$ 343.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 343.65 \$ 29.63 \$ 20.04 \$ 343.65 \$ 343.65 \$ 343.65 \$ 343.65 \$ 343.65 \$ 343.65 \$ 343.65 \$ 343.65 \$ 20.04 \$ 20.04 \$ 36.04 \$ 36.04	\$ 117.46 \$ 88.89 \$ 104.76 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 812.70 \$ 137.57 n/a 137.57 n/a 137.67 \$ 137.57 n/a \$ 137.57 n/a \$ 137.67 \$ 137.67 \$ 137.65 \$ 137.65 \$ 137.67 \$ 137.65 \$ 1
Base Operating System Processor Processor Base Operating System Coperating System Cod Operating System Cod Operating System Cod Base Operating System Cod Base Operating System Cod Base Marony Memory Memory Memory Memory Memory Memory Base Mardnive Base Mardnive Harddrive Harddrive Harddrive Base Maronie Base Maronie Cod Base Maronie Cod Base Maronie Cod Base Co	Option Type Base Proposal Upgrade Upgrade </td <td>Win 10 Pro 64 Intel Xenz E-21760 GC Intel Xenz E-21760 GC Intel Xenz E-21760 GC Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to SATA Operating System Load to M 2 16GB (2x80B) DDR4 2666 NECC 32GB (2x160B) DDR4 2666 NECC 64GB (4x160B) DDR4 2666 NECC 5120B 2.5 SATA SSD TC 2 Turbo Drive 512GB 2280 TLC SSD 11B 2200 SATA 3.5in 2ndWKS 2 Turbo Drive 11B 2280 TLC 28D 2 Turbo Drive 11B 2280 TLC 29D 2 Turbo Drive 11B 2280 TLC 29D 9 Ta 200 SATA 3.5in 2nd Nvd Odr 26B P2000 (4)DP Graphics Nvd Odr</td> <td>(1) VGA HDCP support %*, HDMI and Display/Port%</td> <td>Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 0.9.00 Priced in base configuration 12.00 \$ 112.00 \$ 112.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 138.00 \$ 98.00 Priced in base configuration 3 \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 1389.00 Priced in base configuration \$ \$ 5.00 \$ 5.00 \$<</td> <td>\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 2963 \$ 2963 \$ 2963 \$ 2963 \$ 20317 \$ 26344 \$ 365 \$ 20317 \$ 26344 \$ 34365 \$ 36746 \$ 3377 \$ 36746 \$ 3377 \$ 36756 \$ 3437 \$ 36756 \$ 3476 \$ 34766 \$ 34786 \$ 36866 \$ 34766 \$ 36866 \$ 34766 \$ 36866 \$ 368666 \$ 347666 \$ 36866666666666666666666666666666666666</td> <td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a 137.57 n/a \$ 137.57 n/a \$ 137.57 \$ 137.55 \$ 137.55 \$ 146.08 \$ 174.60 \$ 175.55 \$ 10.55 \$ 10.55 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 2.39.20 \$ 2.19.56 \$ 2.39.20 \$ 2.29.20 \$ 2.29.20</td>	Win 10 Pro 64 Intel Xenz E-21760 GC Intel Xenz E-21760 GC Intel Xenz E-21760 GC Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to SATA Operating System Load to M 2 16GB (2x80B) DDR4 2666 NECC 32GB (2x160B) DDR4 2666 NECC 64GB (4x160B) DDR4 2666 NECC 5120B 2.5 SATA SSD TC 2 Turbo Drive 512GB 2280 TLC SSD 11B 2200 SATA 3.5in 2ndWKS 2 Turbo Drive 11B 2280 TLC 28D 2 Turbo Drive 11B 2280 TLC 29D 2 Turbo Drive 11B 2280 TLC 29D 9 Ta 200 SATA 3.5in 2nd Nvd Odr 26B P2000 (4)DP Graphics Nvd Odr	(1) VGA HDCP support %*, HDMI and Display/Port%	Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 0.9.00 Priced in base configuration 12.00 \$ 112.00 \$ 112.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 138.00 \$ 98.00 Priced in base configuration 3 \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 1389.00 Priced in base configuration \$ \$ 5.00 \$ 5.00 \$<	\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 2963 \$ 2963 \$ 2963 \$ 2963 \$ 20317 \$ 26344 \$ 365 \$ 20317 \$ 26344 \$ 34365 \$ 36746 \$ 3377 \$ 36746 \$ 3377 \$ 36756 \$ 3437 \$ 36756 \$ 3476 \$ 34766 \$ 34786 \$ 36866 \$ 34766 \$ 36866 \$ 34766 \$ 36866 \$ 368666 \$ 347666 \$ 36866666666666666666666666666666666666	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a 137.57 n/a \$ 137.57 n/a \$ 137.57 \$ 137.55 \$ 137.55 \$ 146.08 \$ 174.60 \$ 175.55 \$ 10.55 \$ 10.55 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 10.58 \$ 2.39.20 \$ 2.19.56 \$ 2.39.20 \$ 2.29.20 \$ 2.29.20
Base Operating System Processor Processor Base Operating System Coperating System Base Operating System Coperating System Base Memory Memory Memory Memory Memory Base Harddrive	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xenc F-21760 6C Intel Xenc F-21760 6C Intel Xenc F-21760 6C Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to SATA Operating System Load to M.2 ISGB (2x160B) DDR4 2666 NECC SGGB (2x160B) DDR4 2666 NECC GGGB (2x160B) DDR4 2666 NECC GGG (2x160B) DDR4 2666 NECC GGGB 2x160B) DDR4 2666 NECC GGGB 2x10 SGB 2280 TLC SSD T17 2x00 SATA 3.5m 2xdWKS Z Turbo Drive 11B 2280 TLC SSD Z Turbo Drive 11B 2280 TLC 2xd SSD T17 2x0 SATA 3.5m 2xdWKS Z Turbo Drive 11B 2280 TLC 2xd SSD T17 2x0 SATA 3.5m 2xdWKS Z Turbo Drive 11B 2280 TLC 3xD T17 2x0 SATA 3.5m 2xdWKS Z Turbo Drive 11B 2280 TLC 3xD YB 2280 XLG 3B 24000 (4)DP Graphics Nvd Gdr 26B P620 (4)DP Graphics Nvd Gdr 36B P620 (4)DP Graphics Nvd Gdr 36B P620 (4)DP ND Graphics<	(1) VGA HDCP support Ver, HDMI and Display/Port ¹⁹⁴ Rules Rules Rules Getornal upgrade optional upgrade Defond appinds on processor selected Defond appinds Defond appind Defond appind Defond appind Defond appinds Defond appind Defond appinds Defond appind Defond appind Defond appind Defond appinds Defond appind Defond appind Defond appind Defond appinds Defond a	Base Protocol Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 0.9.00 Priced in base configuration 0.9.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 138.00 Priced in base configuration 5 \$ 166.00 \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 12.00 \$ 138.00 \$	\$ 2937 \$ 2222 \$ 2222 \$ 26.19 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n/a \$ 34.39 n/a \$ 34.36 \$	\$ 117.46 \$ 88.89 \$ 104.76 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 812.70 \$ 137.57 n/a 137.57 n/a 137.67 \$ 137.57 n/a \$ 137.57 n/a \$ 137.67 \$ 137.67 \$ 137.65 \$ 137.65 \$ 137.67 \$ 137.65 \$ 1
Base Operating System Processor Processor Base Operating System Coording Syste	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade <td>Win 10 Pro 64 Intel Xenc F-21760 GC Intel Xenc F-21760 GC Intel Cenc F-21760 GC Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to SATA Operating System Load to M.2 ISGB (2x160B) DDR4 2666 NECC SGGB (2x160B) DDR4 2666 NECC GGGB 2x160B) DDR4 2666 NECC GGGB 2x10 SDR 2260 TLC SDD T17 2200 SATA 3.5m 2x8WKS Z Turbo Drive 118 2280 TLC SDD Z Turbo Drive 118 2280 TLC 2nd SSD T17 220 SATA 3.5m 2x8 Z Turbo Drive 118 2280 TLC 2nd SSD T17 220 SATA 3.5m 2x8 Vind Or 206 PF20 (JpDP Graphics Nid Or 406 PF20 (DpDP Graphics Nid Or 406 PF20 (DpDP Graphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics <td>(1) VGA HDCP support %s. HDMI and DisplayPort*s Rules Rules Rules Rules potional upgrade optional upgrade potion depends on processor selected Rules Proposal Cption depends on processor selected Rules Proposal Cption depends on processor selected Rules Rules Rules Rules Proposal Rules Proposal Rules R</td><td>Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 0.9.00 Priced in base configuration 12.00 \$ 112.00 \$ 112.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 138.00 \$ 98.00 Priced in base configuration 3 \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 1389.00 Priced in base configuration \$ \$ 5.00 \$ 5.00 \$<</td><td>\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 2963 \$ 2963 \$ 2963 \$ 2963 \$ 20317 \$ 26344 \$ 365 \$ 20317 \$ 26344 \$ 34365 \$ 36746 \$ 3377 \$ 36746 \$ 3377 \$ 36756 \$ 3437 \$ 36756 \$ 3476 \$ 34766 \$ 34786 \$ 36866 \$ 34766 \$ 36866 \$ 34766 \$ 36866 \$ 368666 \$ 347666 \$ 36866666666666666666666666666666666666</td><td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.70 \$ 1013.76 \$ 137.57 n'a \$ 137.57 n'a \$ 137.57 n'a \$ 137.57 146.05 \$ 137.460 \$ 174.60 \$ 112.17 \$ 554.50 \$ 112.17 \$ 112.17 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ /td></td>	Win 10 Pro 64 Intel Xenc F-21760 GC Intel Xenc F-21760 GC Intel Cenc F-21760 GC Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to SATA Operating System Load to M.2 ISGB (2x160B) DDR4 2666 NECC SGGB (2x160B) DDR4 2666 NECC GGGB 2x160B) DDR4 2666 NECC GGGB 2x10 SDR 2260 TLC SDD T17 2200 SATA 3.5m 2x8WKS Z Turbo Drive 118 2280 TLC SDD Z Turbo Drive 118 2280 TLC 2nd SSD T17 220 SATA 3.5m 2x8 Z Turbo Drive 118 2280 TLC 2nd SSD T17 220 SATA 3.5m 2x8 Vind Or 206 PF20 (JpDP Graphics Nid Or 406 PF20 (DpDP Graphics Nid Or 406 PF20 (DpDP Graphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics <td>(1) VGA HDCP support %s. HDMI and DisplayPort*s Rules Rules Rules Rules potional upgrade optional upgrade potion depends on processor selected Rules Proposal Cption depends on processor selected Rules Proposal Cption depends on processor selected Rules Rules Rules Rules Proposal Rules Proposal Rules R</td> <td>Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 0.9.00 Priced in base configuration 12.00 \$ 112.00 \$ 112.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 138.00 \$ 98.00 Priced in base configuration 3 \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 1389.00 Priced in base configuration \$ \$ 5.00 \$ 5.00 \$<</td> <td>\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 2963 \$ 2963 \$ 2963 \$ 2963 \$ 20317 \$ 26344 \$ 365 \$ 20317 \$ 26344 \$ 34365 \$ 36746 \$ 3377 \$ 36746 \$ 3377 \$ 36756 \$ 3437 \$ 36756 \$ 3476 \$ 34766 \$ 34786 \$ 36866 \$ 34766 \$ 36866 \$ 34766 \$ 36866 \$ 368666 \$ 347666 \$ 36866666666666666666666666666666666666</td> <td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.70 \$ 1013.76 \$ 137.57 n'a \$ 137.57 n'a \$ 137.57 n'a \$ 137.57 146.05 \$ 137.460 \$ 174.60 \$ 112.17 \$ 554.50 \$ 112.17 \$ 112.17 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ /td>	(1) VGA HDCP support %s. HDMI and DisplayPort*s Rules Rules Rules Rules potional upgrade optional upgrade potion depends on processor selected Rules Proposal Cption depends on processor selected Rules Proposal Cption depends on processor selected Rules Rules Rules Rules Proposal Rules Proposal Rules R	Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 0.9.00 Priced in base configuration 12.00 \$ 112.00 \$ 112.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 138.00 \$ 98.00 Priced in base configuration 3 \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 1389.00 Priced in base configuration \$ \$ 5.00 \$ 5.00 \$<	\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 2963 \$ 2963 \$ 2963 \$ 2963 \$ 20317 \$ 26344 \$ 365 \$ 20317 \$ 26344 \$ 34365 \$ 36746 \$ 3377 \$ 36746 \$ 3377 \$ 36756 \$ 3437 \$ 36756 \$ 3476 \$ 34766 \$ 34786 \$ 36866 \$ 34766 \$ 36866 \$ 34766 \$ 36866 \$ 368666 \$ 347666 \$ 36866666666666666666666666666666666666	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.70 \$ 1013.76 \$ 137.57 n'a \$ 137.57 n'a \$ 137.57 n'a \$ 137.57 146.05 \$ 137.460 \$ 174.60 \$ 112.17 \$ 554.50 \$ 112.17 \$ 112.17 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$ 114.63 \$ 112.17 \$ 114.63 \$
Base Operating System Processor Processor Base Operating System Coperating System Coperating System Base Operating System Cod Operating System Cod Base Memory Memory Memory Memory Memory Memory Base Handdrive Handdrive Handdrive Handdrive Handdrive Handdrive Base Arephics Card Graphics Card Graphics Card Graphics Card Graphics Card MISC MISC Workstation Accessory Options Optional USB Keyboard Optional USB Keyboard Display without workstation purchase Flat Panel Etite Displays Flat Panel Etite Displays	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xens E-2176G 6C Intel Xens E-2176G 6C Intel Xens E-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M 2 16GB (2x80B) DDR 4 2666 NECC 32GB (2x160B) DDR 4 2666 NECC 32GB (2x160B) DDR 4 2666 NECC 34GB (4x160B) DDR 4 2666 NECC 2 Turbo Drive 512GB 2280 TLC SD 2 Turbo Drive 17B 2280 TLC 28D 2 Turbo Drive 17B 2280 TLC 29D 17B 220	(1) VGA HDCP support %*, HDMI and Display/Port%* Rules Rules Rules Rules Rules Genome in the second of the second	Base Protocol Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration no additional cost Priced in base configuration 12.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 13.00 Priced in base configuration cst \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 166.00 \$ 10.00	\$ 2937 \$ 2937 \$ 2222 \$ 26.19 \$ 26.19 \$ 2963 \$ 3651 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a \$ 34.36 \$ 3.36 \$ 3.36 \$ 3.36 \$ 3.36 \$ 3.65 \$ 3.43 \$ 3.65 \$ 3.43 \$ 3.65 \$ 3.43 \$ 3.65 \$ 3.43 \$ 3.65 \$ 3	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 112.70 \$ 146.03 \$ 146.03 \$ 12.70 \$ 140.76 \$ 137.57 n'a \$ 137.57 \$ 140.84 \$ 5.29 \$ 2.12 \$ 10.58 \$ 2.10.59 \$ 10.59 \$ 10.59 \$ 2.30.59 \$ 10.59 \$ 2.30.59 \$ 10.59 \$ 2.30.59 \$ 10.59 \$ 2.30.59 \$ 3.30.55 \$ 3.30.55
Base Operating System Processor Base Operating System Coperating System Load Operating System Load Base Operating System Load Deprating System Load Base Operating System Load Base Marchy Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Base Graphics Card Graphics Card Graphics Card MISC MISC Optional USB Keyboard Optional USB Mouse Optional USB Mouse Display without workstation purchase Flat Panel Workstation Displays	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xenc F-21760 GC Intel Xenc F-21760 GC Intel Cenc F-21760 GC Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to SATA Operating System Load to M.2 ISGB (2x160B) DDR4 2666 NECC SGGB (2x160B) DDR4 2666 NECC GGGB 2x160B) DDR4 2666 NECC GGGB 2x10 SDR 2260 TLC SDD T17 2200 SATA 3.5m 2x8WKS Z Turbo Drive 118 2280 TLC SDD Z Turbo Drive 118 2280 TLC 2nd SSD T17 220 SATA 3.5m 2x8 Z Turbo Drive 118 2280 TLC 2nd SSD T17 220 SATA 3.5m 2x8 Vind Or 206 PF20 (JpDP Graphics Nid Or 406 PF20 (DpDP Graphics Nid Or 406 PF20 (DpDP Graphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics Nid Or 406 PF20 (DpDP Orphics <td>(1) VGA HDCP support Ver, HDMI and Display/Port¹⁴</td> <td>Base. Processil Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 9.90.00 Priced in base configuration 0.90.00 Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 138.00 \$ 9.96.00 \$ 112.00 \$ 138.00 \$ 9.96.00 \$ 138.00 \$ 9.96.00 \$ 138.00 \$ 9.96.00 \$ 138.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 168.00 \$ 1389.00 \$ 1389.00 \$ 1389.00 \$ 138.00 \$ 138.00 \$ 138.00 \$ 138.00 \$</td> <td>\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 28.619 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 253.44 \$ 263.43 \$ 263.44 \$ 343.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 343.65 \$ /td> <td>\$ 117.46 \$ 8.8.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 105.70 \$ 116.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 142.00 \$ 174.60 \$ 1</td>	(1) VGA HDCP support Ver, HDMI and Display/Port ¹⁴	Base. Processil Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 9.90.00 Priced in base configuration 0.90.00 Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 138.00 \$ 9.96.00 \$ 112.00 \$ 138.00 \$ 9.96.00 \$ 138.00 \$ 9.96.00 \$ 138.00 \$ 9.96.00 \$ 138.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 168.00 \$ 1389.00 \$ 1389.00 \$ 1389.00 \$ 138.00 \$ 138.00 \$ 138.00 \$ 138.00 \$	\$ 2937 \$ 2222 \$ 2222 \$ 28.19 \$ 28.619 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 253.44 \$ 263.43 \$ 263.44 \$ 343.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 343.65 \$	\$ 117.46 \$ 8.8.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 105.70 \$ 116.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 142.00 \$ 174.60 \$ 1

	4year	HP 4y Nbd Adv Exchange Large Monitor SVC	for Z23 display only	\$ 59.00	\$ 16.14	\$ 64.56
Desktop Services Options	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
Desktop Services Options	5year	HP 5y Nextbusday Onsite WS Only HW Supp	used as an upgrade in place of the 4th year	\$ 60.00	\$ 16.41	\$ 65.65
Foot Notes					Rules and Exceptions	
Row 53, 58,60 and 62, Column D	Upgrade	2nd Hard drive	2nd HDD only available if 1TB (1st hard drive) is selected*	Please work with the HP to confir as there may be add	m if the 2ND Hard drive is post tional factors that prohibit this	

Annually O. Washington O. Day		Demolecture for workships of	Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Cost
Appendix C- Workstation 2 Requ	uirements	Requirements for workstaton 1	HP ZBook 15u Mobile Workstation	\$ 1,409.00	\$ 374.37	\$ 1,497.48
Chassis	Form Factor	Notebook	Notebook Mobile Workstation - 15.6*			
	Maximum Size	15.7x6.7x17.4	14.6 x 9.91 x 0.72 in	-		
Processor	Processor Brand	Intel Core i7	Intel Core i7			
	Minimum Processor Class Minimum Base Processor Speed	3.4 GHz	IDS DSC i7-8650U 15u G5 Base NB PC			
	Minimum Memory Size Minimum Hard Drive	16GB	16GB 1600MHz DDR3L 4DM			
Memory and Storage	Capacity	500GB or better	512 GB PCIe NVMe Three Layer Cell Solid State Drive			
	Optical Drive Type Minimum Optical Drive	DVD+/-RW	External DVD/RW (Sold Seperately)			
	Speed	16X	16X	-		
Input Devices	Keyboard Mouse	USB Multimedia Full sized, laser USB 5 button min. including two buttons on	HP Collaboration Keyboard, spill-resistant, backlit and function key control	-		
	Minimum total USB Ports	side 3	DIB HP 3-button Comfort Grip wireless Mouse 1 USB Type-C TM (Thunderbolt TM 3, USB 3.1)			
	Minimum USB 3.0 Ports	4	1 USB Type-C™ (Thunderbolt™ 3, USB 3.1)]		
	VGA Port	none	none			
	DVI Port	1	none	4		
vo	DP Port	2	none			
	RJ-45 Port	1	1 RJ-45 (Ethemet)	1		
	Audio In/Out Ports	1	Audio combo jack Internal microphones			
	LAN	1 GB NIC	Intel® I219-LM Gigabit* Network Connection (vPro configurations)			
	Speakers	Internal	Integrated stereo speakers			
	Operating System	Windows 7 Professional SP1, 64-bit	Microsoft Windows 10 Professional 64 US	-		
	Video/Graphics Card	1 GB NVIDIA Quadro K2000 (2DP and 1DVI-I) (2DP-DVI and 1DVI-VGA adapter)	AMD Radeon Pro™ WX3100 (2 GB dedicated GDDR5)			
	Chipset	Intel® 8 Series (C226)	Intel® Kaby Lake - R Chipset integrated with 8th Generation processor	-		
	Management	Intel vPro Technology Enabled	Intel Core i7 with vPro technology	-		
	Certification	Independent Software Vendor certified (ISV)	Yes			
Other	Sound Card	Integrated	Integrated	-		
	Documentation EPEAT Silver	Diagnostics and Drivers DVD Meet or exceed	DVD can be found on hp.com Yes - EPEAT®			
	EPEAT Silver Energy Star	Meet or exceed Meet or exceed	Yes - EPEAT® Yes - US ENERGY STAR ®			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
			HP Care Pack: U- HP UB0E8E NBD Onsite/Defective Media Retention NB SVC (for HP ZBook 3-3-3 mobile workstation notebooks) and account management services			
	Service	On-site service. 12 business-hour fix		-		
	Flat Panel Display Minim Size	External 23 inch	sold seperately			
Display	Minimum Resolution	1920 x 1080	no			
Display	Titlt Capability	Yes	no			
	VGA Interface	1 minimum	no	4		
	DVI Interface	1 minimum	no	\$ Purchase Upgrade Cost from		1,497.48
Options Workstation 2 Base Processor	Option Type Base Proposal	Proposed Model Option	Rules	Base Proposal	Annual Lease Cost	Total Lease Cost
Processor		HP IDS DSC 17-8650U 15u G5 BNBPC	Base Proposal	Priced in base configuration	N/A	N/A
Processor	Upgrade	HP IDS DSC P2000 4GB i7-8750H 15G5BNBPC HP IDS DSC P1000 4GB i7-8850H 15G5BNBPC	15 G5 with 4GB GFX Card 15 G5 with 4GB GFX Card	\$ 848.20 \$ 906.70	\$ 225.37 \$ 240.91	\$ 901.48 \$ 902.48
Processor	Upgrade	HP IDS DSC P2000 4GB I7-8850H 15G5BNBPC	15 G5 with 4GB GFX Card			
						S 903.48
Processor	Upgrade	HP IDS DSC P2000 4GB i9-8950HK 15G5BNBPC	15 G5 with 4GB GFX Card	\$ 1,031.70 \$ 1,306.70	\$ 274.12 \$ 347.19	\$ 903.48 \$ 904.48
Base Operating System		HP IDS DSC P2000 4GB i9-8950HK 15G5BNBPC Win 10 Pro 64		\$ 1,306.70		
Base Operating System Operating System	Base Proposal		15 GS with 4GB GFX Card Base Proposal 15 GS only	\$ 1,306.70	\$ 347.19	\$ 904.48 N/A \$ 30.84
Base Operating System Operating System Base Memory	Base Proposal Uoarade Base Proposal	Win 10 Pro 64 Win 10 Pro 64 16GB (2x8GB) DDR4 2400	15 G5 with 4GB GFX Card Base Proposal 15 G5 only Base Proposal	\$ 1,306.70 Priced in base configuration \$ \$ 29.00 Priced in base configuration	\$ 347.19 N/A \$ 7.71 N/A	\$ 904.48 NA \$ 30.84 N/A
Base Operating System Operating System Base Memory Memory	Base Proposal Ucorade Base Proposal Upgrade	Win 10 Pro 64 Win 10 Pro 64 16GB (2x8GB) DDR4 2400 32GB (2x16GB) DDR4 2400	15 GS with 4GB GFX Card Base Proposal 15 GS onlv Base Proposal Must swap our 15GB	\$ 1,306.70 Priced in base configuration \$ 29.00 Priced in base configuration \$ 150.00	\$ 347.19 NA \$ 7.71 NA \$ 39.86	\$ 904.48 N/A S 30.84 N/A \$ 159.44
Base Operating System Operating System Base Memory	Base Proposal Ucorade Base Proposal Upgrade Upgrade Upgrade	Win 10 Pro 64 Win 10 Pro 64 16GB (2x8GB) DDR4 2400	15 G5 with 4G8 GFX Card Base Proposal 15 G5 onlv Base Proposal Must awap out 15G8 15 G5 only-Must Swap out 16G8	\$ 1,306.70 Priced in base configuration \$ 29.00 Priced in base configuration \$ 150.00 \$ 310.00	\$ 347.19 N/A \$ 7.71 N/A \$ 39.86 \$ 82.37	\$ 904.48 N/A \$ 30.84 N/A \$ 159.44 \$ 329.48
Base Operating System Operating System Base Memory Memory Memory	Base Proposal Ucorade Base Proposal Upgrade Upgrade Upgrade	Win 10 Pro 64 Win 10 Pro 64 16GB (2x06B) DDR4 2400 33GB (2x16GB) DDR4 2400 33GB (2x16GB) DDR4 2666	15 GS with 4GB GFX Card Base Proposal 15 GS onlv Base Proposal Must swap our 15GB	\$ 1,306.70 Priced in base configuration \$ 29.00 Priced in base configuration \$ 150.00 \$ 150.00 \$ 310.00 \$ 530.00 \$ 530.00	\$ 347.19 N/A \$ 7.71 N/A \$ 39.86 \$ 82.37 \$ 140.82	\$ 904.48 N/A \$ 30.84 N/A \$ 159.44 \$ 329.48 \$ 563.28
Base Operating System Operating System Base Memory Memory Memory Memory	Base Proposal Ucorade Base Proposal Upgrade Upgrade Upgrade	Win 10 Pro 64 Win 10 Pro 64 1608 (2x408) DDR4 2400 3268 (2x1608) DDR4 2400 3268 (2x1608) DDR4 2866 6468 (2x3268) DDR4 2868	15 G5 with 4G8 GFX Card Base Proposal 15 G5 only Base Proposal Must swap out 16G8 15 G5 only - Mast Swap out 16G8 15 G5 only - Mast Swap out 16G8 15 G5 only - Mast Swap out 32G8	\$ 1,306.70 Priced in base configuration \$ 29.00 Priced in base configuration \$ 150.00 \$ 310.00	\$ 347.19 N/A \$ 7.71 N/A \$ 39.86 \$ 82.37	\$ 904.48 N/A \$ 30.84 N/A \$ 159.44 \$ 329.48
Base Operating System Operating System Base Memory Memory Memory Base Display Display Display	Base Proposal Ucorade Base Proposal Upgrade Upgrade Upgrade Base Proposal	Win 10 Pro 64 Win 10 Pro 64 1608 (2x808) DDR4 2400 3256 (2x1608) DDR4 2400 3268 (2x1608) DDR4 2866 6408 (2x3208) DDR4 2866 15.6 FHD AG LED UWVA 220 sim	15 G5 with 4GB GFX Card Base Proposal 15 G5 only Base Proposal Must seep out 15GB 15 G5 only - Must Swep out 15GB 15 G5 only - Must Swep out 13GB 15 G5 only - Must Swep out 13GB Base Proposal	\$ 1,306,70 Priced in base configuration \$ 29,00 Priced in base configuration \$ 150,00 \$ 150,00 \$ \$ 310,00 \$ \$ 530,00 \$ \$ 530,00 \$ \$ 530,00 \$	\$ 347.19 NA \$ 7,71 NA \$ 39.86 \$ 62.37 \$ 140.82 NA	\$ 904.48 N/A \$ 30.84 N/A \$ 159.44 \$ 329.48 \$ 563.28 N/A
Base Operating System Operating System Base Memory Memory Memory Base Display Display Display Display	Base Proposal Ucorade Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade	Win 10 Pro 64 Win 10 Pro 64 1656 (2x869) DDR4 2400 32G8 (2x16G8) DDR4 2400 15.6 FHD AG LED WWAN	15 GS with 4GB GPX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only	\$ 1,306.70 Priced in base configuration \$ \$ 150.00 \$ 150.00 \$ 310.00 \$ 530.00 Priced in base configuration \$ \$ 530.00 Priced in base configuration \$ \$ 510.00	\$ 347.19 N/A 5 \$ 39.66 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 20.92 \$ 20.92	\$ 904.48 NA \$ 30.94 NA \$ 159.44 \$ 229.48 \$ 563.28 N/A \$ 11.68 \$ 3.20 \$ 11.68
Base Operating System Operating System Base Memory Memory Memory Base Display Display Display Display Display	Base Proposal Ucornde Base Proposal Ucornde Ucornde Ucornde Base Proposal Ucornde Ucornde	Win 10 Pro 64 Win 10 Pro 64 1656 (2x469) DDR4 200 32G8 (2x4669) DDR4 200 32G8 (2x4669) DDR4 200 32G8 (2x4669) DDR4 200 32G8 (2x469) DDR4 200 156 FHD AG LED UWA 220 slim 15.6 FHD AG LED UWA 200 slim 15.6 FHD AG LED UWA 200 WWAN HDC slim 15.6 FHD AG LED UWA 200 WWAN HDC slim	15 GS with 4GB GPX Card 15 GS with 4GB GPX Card 15 GS onlv Base Proposal 15 GS onlv 15 GS onlv- Must Swep out 15GB 15 GS onlv- Must Swep out 15GB 15 GS onlv- Must Swep out 32GB 16 GS onlv- Must Swep out 32GB 16 GS onlv- Must Swep out original display needed I Webcam is added and a highend display is needed - swep out original display 15 GS only- for webcam	\$ 1.306.70 Priced in base configuration \$ 29.00 Priced in base configuration \$ 150.00 \$ 150.00 \$ \$ 5 500.00 \$ 500.00 \$ \$ 11.00 \$ \$ 11.00 \$ \$ 11.00 \$	\$ 347.19 N/A 7,71 N/A 7,71 N/A 8237 \$ 39.86 \$ 2926 N/A 8237 \$ 140.82 N/A 82 \$ 202 \$ 0.89 \$ 202 \$ 202 \$ 202 \$ 202	\$ 004.48 NA 30.84 NA 5 30.84 NA 5 159.44 \$ 159.44 \$ 329.49 S 329.49 S 320.0 \$ 320.0 \$ 11.68 \$ 80.76
Base Operating System Operating System Base Memory Memory Memory Base Display Display Display Display Display	Base Proposal Usorado Base Proposal Usorade Usorade Base Proposal Usorade Usorade Usorade Usorade Usorade Usorade Usorade	Win 10 Pro 64 Win 10 Pro 64 1656 (2x605) DDR4 2400 32GB (2x1605) DDR4 2400 32GB (2x1605) DDR4 2666 1636 (2x3205) DDR4 2666 15.6 FHD AG LED UWVA 20 slim 15.6 FHD AG LED UWVA 167 Webcam 15.6 FHD AG LED UWVA 167 Webcam 15.6 FHD AG LED UWVA 200 NWAN HPC slim 15.6 FHD AG LED UWVA 200 Slim	15 G5 with 4G8 GFX Card 15 G5 only 15 G5 only-Must Swep out 15 G8 15 G5 only-Must Swep out 25 G8 15 G5 only-Must Swep out 25 G8 16 G5 only-Must Swep out original display needed I webcam is added area to higher display is needed - swep out original display 15 G5 only-for webcam	\$ 1,306,70 Priced in base configuration \$ Priced in base configuration \$ \$ 150,00 \$ 310,00 \$ 530,00 Priced in base configuration \$ \$ 310,00 \$ 530,00 Priced in base configuration \$ \$ 11,00 \$ 310,00 \$ 11,00 \$ 76,00 \$ 273,00	\$ 347.19 NA 7,71 NA 2 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 2.0.19 \$ 72.54	\$ 004.48 NA \$ 30.84 \$ 159.44 \$ 159.44 \$ 259.48 \$ 663.28 NA \$ 111.68 \$ 3.20 \$ 111.68 \$ 3.20 \$ 11.68 \$ 3.20 \$ 2.00.76 \$ 220.16
Base Operating System Operating System Base Memory Memory Memory Base Display Display Display Display Display	Base Proposal Uborado Base Proposal Uborado Uborado Base Proposal Uborado Uborado Uborado Uborado Uborado Uborado Base Proposal	Win 10 Pro 64 Win 10 Pro 64 160B (2x80B) D0R4 2400 32GB (2x160B) DDR4 2400 32GB (2x160B) DDR4 2866 163B (2x160B) DDR4 2866 154 FHD AG LED UWVA 200 slim 155 FHD AG LED UWVA 100 slim 155 FHD AG LED UWVA 200 slim 156 FHD AG LED UWVA 100 slim 157 FHD AG LED UWVA 200 slim 158 FHD AG LED UWVA 100 slim	15 GS with 4GB GFX Card Base Proposal 15 GS with 4GB GFX Card 15 GS with 15 GS with Base Proposal Must swap out 16GB 15 GS only-Must Swap out 35GB 15 GS only-Must Swap out 35GB 15 GS only-Must Swap out 35GB 15 GS only-Must Swap out original display needed If WebCard Base Proposal 15 GS only-for webcarn 15 GS only-for we	\$ 1.306.70 Priced in base configuration 2.90.00 Priced in base configuration 5 \$ 150.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 50.00 \$ 30.00 \$ 3.00 \$ 7.00 \$ 72.30.00 Priced in base configuration	\$ 347.19 NA \$ 7.71 NA \$ 30.86 \$ 32.87 \$ 140.82 NA \$ 0.80	\$ 004.48 N/A 0.84 N/A 0.84 S 159.44 S 159.44 S 663.28 N/A 0.82 S 11.68 S 3.20 S 11.68 S 3.076 S 200.76 N/A
Base Operating System Operating System Base Memory Memory Memory Memory Base Display Display Display Display Display Display Base Webcam	Base Proposal Uconste Base Proposal Uconste Uconste Base Proposal Uconste Base Proposal Uconste Uconste Uconste Uconste Uconste Base Proposal Uconste Base Proposal Uconste Base Proposal Uconste	Win 10 Pro 64 Win 10 Pro 64 1656 [2x469]:DDR4 2400 3238 [2x1668]:DDR4 2400 3238 [2x1608]:DDR4 2400 3238 [2x1608]:DDR4 2400 156 FH0 AG LED UWVA 220 alim 15.6 FH0 AG LED UWVA 220 alim 15.6 FH0 AG LED UWVA 200 WWAN HIDC alim 15.6 FH0 AG LED UWVA 220 WWAN HIDC alim 15.6 FH0 AG LED UWVA 220 WWAN HIDC alim 15.6 FH0 AG LED UWVA 240 wHDC alim 15.6 FH0 AG LED UWVA 240 WWAN HIDC alim 15.6 FH0 AG LED UWVA 240 WWAN HIDC alim 15.6 WH0 ELEU WWA AMDC slim 15.0 FH0 AG LED UWVA 240 WWAN HIDC slim 15.0 FH0 HD HD T200 FM Wabcam	15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only-Mast Swep out 15GB 15 GS only-Mast Swep out 15GB 15 GS only-Mast Swep out 32GB Base Proposal needed I WVAN is added-swep out original display needed I webcam is added-and a higher display is needed - swep out original display 15 GS only- for webcam	\$ 1,306,70 Priced in base configuration \$ Priced in base configuration \$ \$ 150,00 \$ 310,00 \$ 530,00 Priced in base configuration \$ \$ 310,00 \$ 530,00 Priced in base configuration \$ \$ 11,00 \$ 310,00 \$ 11,00 \$ 76,00 \$ 273,00	\$ 347.19 NA 7,71 NA 2 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 0.80 \$ 2.92 \$ 2.0.19 \$ 72.54	\$ 004.48 NA \$ 30.84 \$ 159.44 \$ 159.44 \$ 259.48 \$ 663.28 NA \$ 11.68 \$ 3.20 \$ 11.68 \$ 3.20 \$ 2.00.76 \$ 220.16
Base Operating System Operating System Base Memory Memory Memory Base Display	Base Proposal Uconsóe Base Proposal Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe Uconsóe	Win 10 Pro 64 Win 10 Pro 64 160B (2x80B) D0R4 2400 32GB (2x160B) DDR4 2400 32GB (2x160B) DDR4 2866 163B (2x160B) DDR4 2866 154 FHD AG LED UWVA 200 slim 155 FHD AG LED UWVA 100 slim 155 FHD AG LED UWVA 110C slim 155 FHD AG LED UWVA 110C slim 155 FHD AG LED UWVA wHDC slim 155 FHD AG LED UWVA WHDC slim 155 FHD AG LED UWVA WHDC slim 156 FHD AG LED UWVA WHDC slim 157 FHD AG LED UWVA WHDC slim	15 GS with 4GB GFX Card Base Proposal 15 GS with 4GB GFX Card 15 GS with 15 GS with Base Proposal Must swap out 16GB 15 GS only-Must Swap out 35GB 15 GS only-Must Swap out 35GB 15 GS only-Must Swap out 35GB 15 GS only-Must Swap out original display needed If WebCard Base Proposal 15 GS only-for webcarn 15 GS only-for we	\$ 1,306,70 Priced in base configuration \$ 29,00 Priced in base configuration \$ 150,00 \$ 150,00 \$ \$ 550,00 \$ \$ 530,00 \$ Priced in base configuration \$ 1,00 \$ 11,00 \$ \$ 11,00 \$ \$ 76,00 \$ \$ 273,00 \$ Priced in base configuration \$ \$ \$ 273,00 \$ Priced in base configuration \$ \$ \$ 4,00 \$	\$ 347.19 NA \$ 7.71 NA \$ 39.86 \$ 82.37 \$ 140.82 NA \$ 2.92 \$ 0.80 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 7.94 \$ 7.94 \$ 7.94 \$ 7.94	\$ 004.48 NVA 5 30.84 NVA 5 159.44 \$ 159.44 \$ 229.48 \$ 663.28 NVA 5 11.68 \$ 320 \$ 11.68 \$ 290.16 NVA 5 290.16 NVA 5 424
Base Operating System Operating System Base Memory Memory Memory Memory Base Display D	Base Proposal Ubornide Base Proposal Ubornide Ubornide Ubornide Ubornide Ubornide Ubornide Ubornide Base Proposal Ubornide Ubornide	Win 10 Pro 64 Win 10 Pro 64 1656 (2x1608) DDR4 2400 32GB (2x1608) DDR4 2400 32GB (2x1608) DDR4 2400 32GB (2x1608) DDR4 2606 16.6 PHD AG LED WWA 200 slim 15.6 PHD AG LED WWA 100 15.6 PHD AG LED WWA 100 slim 15.6 PHD AG LED WWA 100 Velocam 15.6 PHD AG LED UWVA 200 WWA 100 slim 15.6 PHD AG LED UWVA 200 WWA 100 slim 15.6 PHD AG LED UWVA 400mHD slim 15.7 PHD AG LED UWVA 400mHD slim	15 GS with 4GB GFX Card 15 GS with 4GB GFX Card 15 GS onlv Base Proposal 15 GS onlv 15 GS onlv-Must Swep out 16GB 15 GS onlv-Must Swep out 16GB 15 GS onlv-Must Swep out 32GB Base Proposal needed I WWAN is added and a higherd display needed I webcam is added and a higherd display is needed - swep out original display needed I webcam is added and a higherd display is needed - swep out original display 16 GS onlv-for webcam	\$ 1,306,70 Priced in base configuration \$ 29,00 Priced in base configuration \$ 150,00 \$ 150,00 \$ \$ 550,00 \$ \$ 530,00 \$ Priced in base configuration \$ 1,00 \$ 11,00 \$ \$ 11,00 \$ \$ 76,00 \$ \$ 273,00 \$ Priced in base configuration \$ \$ \$ 273,00 \$ Priced in base configuration \$ \$ \$ 4,00 \$	\$ 347.19 NXA 7,71 NXA 29.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 20.37 \$ 20.22 \$ 20.20 \$ 20.20 \$ 20.19 \$ 72.54 NVA 2 \$ 1.06 \$ 1.06	\$ 004.48 NA 30.84 NA \$ \$ 159.44 \$ 159.44 \$ 159.44 \$ 30.84 \$ 159.44 \$ 329.48 NA \$ \$ 11.68 \$ 3.20 \$ 11.68 \$ 3.20 \$ 1.08 \$ 3.020 \$ 1.08 \$ 200.16 N/A \$ \$ 4.24
Base Operating System Operating System Base Memory Memory Memory Base Display Display Display Display Display Display Display Display Display Base Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor	Base Proposal Ubornde Base Proposal Ubornde Ub	Win 10 Pro 64 Win 10 Pro 64 1650 (2x1608) DDR4 200 3208 (2x1608) DDR4 200 3208 (2x1608) DDR4 200 3208 (2x1608) DDR4 200 3208 (2x1608) DDR4 200 156 PHD AG LED WVA 200 slim 15.6 PHD AG LED WVA 200 slim 15.6 PHD AG LED WVA 200 wWAN HDC slim 15.6 PHD AG LED UWVA wHDC slim 15.6 PHD AG LED UWVA 200 WWAN HDC slim 15.6 PHD AG LED UWVA WHDC slim 15.7 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 WWAN HDC slim 15.9 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 WWAN HDC slim 15.8 PHD AG LED UWVA 200 M Webcam Integrated HD 7200 DM Webcam Integrated HD 7200 DM Webcam Integrated HD 7200 DM Webcam	15 GS with 4GB GPX Card 15 GS with 4GB GPX Card 15 GS only 16 GS only 18 GS only 18 GS only 16 GS only 16 GS only 16 GS only 16 MVMAN is added sequ out righted flagslay needed I WMAN is added sequ out original display 16 GS only 17 GS only 18 Base Proposal 18 GS only 19 GS only	\$ 1.306.70 Priced in base configuration \$ 29.00 Priced in base configuration \$ 150.00 \$ 150.00 \$ \$ 150.00 \$ \$ 50.00 \$ \$ 150.00 \$ \$ 50.00 \$ \$ 10.00 \$ \$ 11.00 \$ \$ 76.00 \$ \$ 76.00 \$ \$ 76.00 \$ \$ 4.00 \$ \$ 4.00 \$ \$ 4.00 \$ \$ 4.00 \$ \$ 4.00 \$ \$ 5.50 \$	\$ 347.19 NA 7.71 NA 7.71 NA 200 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 32.97 \$ 32.92 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.02 \$ 2.01 \$ 1.06 \$ 1.06 \$ 1.46 \$ 1.99	\$ 004.48 NA 30.44 NA 530.44 S 159.44 S 159.44 S 563.48 S 563.48 S 159.48 S 320.48 S 320.48 S 320.48 S 30.76 S 20.16 NA 20.424 NA 5424 NA 55.44 S 7.96
Base Operating System Operating System Base Memory Memory Memory Memory Base Display Display Display Display Display Display Display Display Display Base Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor	Base Proposal Uborndo Base Proposal Uborndo Uborndo Uborndo Uborndo Uborndo Uborndo Uborndo Uborndo Uborndo Ubornde Ub	Win 10 Pro 64 Win 10 Pro 64 1656 (2x605) DDR4 2400 32GB (2x1608) DDR4 2400 32GB (2x1608) DDR4 2666 164 (2x3208) DDR4 2666 155 FHD AG LED UWVA 200 slim 156 FHD AG LED UWVA 167 Webcam 15.6 FHD AG LED UWVA 167 Webcam 15.6 FHD AG LED UWVA 200 NWAN HPC slim 15.6 FHD AG LED UWVA 200 Slim 15.6 FHD AG LED UWVA 400wHD Calim 15.6 FHD AG LED UWVA 200 Slim 15.6 FHD AG LED UWVA 200 Slim 15.6 FHD AG LED UWVA 400wHD Calim 15.6 FHD AG LED UWVA 400wHD Calim 15.6 FHD AG LED UWVA 400wHD Calim 16.7 FHD RAGE 16.8 FHD AG LED UWVA 400wHD Calim 15.8 FHD AG LED UWVA 400wHD Calim 16.8 FHD AG LED UWVA 400wHD Calim	15 GS with 4GB GPX Card Base Proposal 15 GS only 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only-Mari Swep out 15GB 15 GS only-Mari Swep out 35GB 15 GS only-Is webcam 15 GS only-Is w	\$ 1.306.70 Priced in base configuration \$ 2.00.00 Priced in base configuration \$ 3.00.00 \$ 150.00 \$ 3.00.00 \$ 5.00.00 \$ 5.00.00 Priced in base configuration \$ 3.00.00 \$ 3.00.00 \$ 7.60.00 \$ 7.60.00 \$ 7.60.00 \$ 7.60.00 \$ 7.60.00 \$ 7.60.00 \$ 7.60.00 \$ 7.60.00 \$ 7.60.00 \$ 7.80.00 \$ 7.60.00 \$ 7.80.00 \$ 7.60.00 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 4.000 \$ 5.500 \$ 7.500 \$ 7.500 \$ 7.500 \$ 7.500 \$ 7.500 \$ 7.500 >\$ 0.300 \$ 0.3	\$ 347.19 NA 7.71 NA 39.86 \$ 39.86 \$ 39.86 \$ 39.86 NA 20.97 \$ 140.82 NA 20.98 \$ 20.98 \$ 20.98 \$ 20.98 \$ 20.98 \$ 20.98 \$ 20.98 \$ 1.06 \$ 1.06 \$ 1.46 \$ 1.46 \$ 1.46 \$ 1.46 \$ 1.46	\$ 004.48 NA 2014 S 30.84 NA 2014 S 159.44 S 663.28 NA 2024 S 663.28 NA 2024 S 663.28 NA 2024 S 663.28 NA 2024 S 2026 S 20
Base Operating System Operating System Base Memory Memory Memory Memory Base Display Display Display Display Display Display Display Display Display Display Display Display Base Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor	Base Proposal Uconsó Base Proposal Uconsó Uconsó Uconsó Uconsó Uconsó Uconsó Uconsó Uconsó Uconsó Base Proposal Base Prop	Win 10 Pro 64 Win 10 Pro 64 1560 [2x608] DDR4 200 3238 [2x1608] DDR4 200 3238 [2x1608] DDR4 200 3238 [2x1608] DDR4 200 3238 [2x1608] DDR4 200 515 FHD AG LED UWVA 220 alim 15 FHD AG LED UWVA 200 flow 15 FHD AG LED UWVA 400 alim 15 FHD AG LED UWVA 400 alim 15 FHD AG LED UWVA 400 alim 16 FHD AG LED UWVA 400 alim 15 FHD AG LED UWVA 400 alim 16 FHD AG LED UWVA 400 alim 17 GD TM Webcam Missorated HD 720p TM Webcam Missorated HD 720p TM Webcam Miss No Fingerprint Sensor No Fingerprint Sensor No Fingerprint Sensor No WWAM	15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal Mait awap out 16GB 15 GS only- Mait Swep out 3GB 15 GS only- Mait Swep out 3GB 15 GS only- Mait Swep out 32GB Reeded If WWAN is added-swep out original display needed If sedocam is added-sweep out original display needed If webcam 15 GS only- for webcam 15 GS only- needed If sedocam Base Proposal needed for setocam Base Proposal display for Sonty- needed for setocam Base Proposal display display for Sonty- setocam for Sonty- needed for setocam for Sonty- setocam for Sonty- needed for setocam for Sonty-	\$ 1.306.70 Priced in base configuration \$ 2.9.00 Priced in base configuration \$ 3.00.00 \$ 150.00 \$ \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 1.00.00 \$ 3.00.00 \$ 1.00.00 \$ 3.00.00 \$ 1.00.00 \$ 7.00.00 \$ 4.00.00 Priced in base configuration \$ 4.00.00 Priced in base configuration \$ 5.50.00 \$ 7.50.00 \$ 0.00.00 \$ 7.50.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 >\$ 0.00.00 \$ 0	\$ 347.19 NA \$ 7.71 NA \$ 39.86 \$ 82.37 \$ 40.82 NA \$ 292 \$ 292 \$ 292 \$ 293 \$ 292 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 204 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 109 \$ 109 \$ 109 \$ 109 \$ 109 \$ 109 \$ 109	\$ 004.48 N/A 30.84 N/A 530.84 \$ 30.84 \$ 159.44 \$ 450.28 N/A 565.28 N/A 565.28 N/A 565.28 N/A 565.28 N/A 565.28 \$ 250.16 N/A 54 \$ 7.96 \$ 7.96 \$ 7.96 \$ 20.18 \$ 20.18 \$ 5.84 \$ 7.96 \$ 7.96 \$ 20.18 \$ 20.18 \$ 20.18 \$ 5.84 \$ 7.96 \$ 20.18 \$ 20.1
Base Operating System Operating System Base Memory Memory Memory Memory Base Display D	Base Proposal Uborndo Base Proposal Uborndo Uborndo Uborndo Uborndo Uborndo Uborndo Uborndo Uborndo Uborndo Ubornde Ub	Win 10 Pro 64 Win 10 Pro 64 1658 (2x469) DDR4 200 3238 (2x1669) DDR4 200 3238 (2x1669) DDR4 206 646 (2x269) DDR4 206 15.6 FHD AG LED UWVA 220 slim 15.6 FHD AG LED UWVA 220 slim 15.6 FHD AG LED UWVA 220 slim 15.6 FHD AG LED UWVA 200 WWAN HEDC slim 15.6 FHD AG LED UWVA 200 WWAN HEDC slim 15.6 FHD AG LED UWVA 200 WWAN HEDC slim 15.6 FHD AG LED UWVA 200 WWAN HEDC slim 15.6 FHD AG LED UWVA 200 WWAN HEDC slim 15.7 DD AG LED UWVA 200 WWAN HEDC slim 15.8 FHD AG LED UWVA 200 WWAN HEDC slim 15.9 FHD AG LED UWVA 200 WWAN HEDC slim 15.0 FHD AG LED UWVA 200 WWAN HEDC slim 15.7 DD G DW Webcam Mildgraded HD 720p TM Webcam	15 GS with 4GB GPX Card Base Proposal 15 GS only 15 GS only Base Proposal 15 GS only 15	\$ 1.306.70. Priced in base configuration \$ 29.00 Priced in base configuration \$ 150.00. \$ 150.00. \$ 310.00. \$ 510.00. \$ 310.00. \$ 530.00. \$ 300.00. \$ 1.00. \$ 3.00.00. \$ 1.00.00. \$ 3.00.00. \$ 1.00.00. \$ 7.60.00. \$ 7.60.00. \$ 4.00.00. Priced in base configuration \$ 4.00.00. \$ 4.00.00. \$ 5.50.00. \$ 5.00.00.00. \$ 5.50.00. \$ 5.00.00.00.00.00.00.00.00. \$ 5.50.00.00.00.00. Priced in base configuration \$ 5.00.00.00.00.00.00.00.00.00.00.00.00.00	\$ 347.19. NA 7.71 NA 7.71 NA 8 \$ 3.96.6 \$ 3.237 \$ 1.40.82 NA 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 2.92 \$ 1.06 \$ 1.06 \$ 1.06 \$ 1.06 \$ 1.06 \$ 1.06 \$ 1.06 \$ 1.06 \$ 0.08 NA 0.08 \$ 0.08 \$ 0.08 \$ 0.08	\$ 004.48 NA \$ \$ 30.84 NA \$ \$ 159.44 \$ 159.44 \$ 563.28 NA \$ \$ 11.68 \$ 200.16 \$ 200.16 \$ 200.16 \$ 200.16 \$ 200.16 \$ 200.16 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 5.84 \$ 7.96 \$ 0.32 \$ 0.84 \$ 7.96 \$ 0.83
Base Operating System Operating System Base Memory Memory Memory Memory Base Display Display Display Display Display Display Display Display Display Display Base Webcam Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Engerprint Sensor Engerprint Sensor	Base Proposal Uconsó Base Proposal Uconsó Uconsó Uconsó Uconsó Uconsó Uconsó Uconsó Uconsó Uconsó Base Proposal Base Prop	Win 10 Pro 64 Win 10 Pro 64 1560 [2x608] DDR4 200 3238 [2x1608] DDR4 200 3238 [2x1608] DDR4 200 3238 [2x1608] DDR4 200 3238 [2x1608] DDR4 200 515 FHD AG LED UWVA 220 alim 15 FHD AG LED UWVA 200 flow 15 FHD AG LED UWVA 400 alim 15 FHD AG LED UWVA 400 alim 15 FHD AG LED UWVA 400 alim 16 FHD AG LED UWVA 400 alim 15 FHD AG LED UWVA 400 alim 16 FHD AG LED UWVA 400 alim 17 GD TM Webcam Missorated HD 720p TM Webcam Missorated HD 720p TM Webcam Miss No Fingerprint Sensor No Fingerprint Sensor No Fingerprint Sensor No WWAM	15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal Mait awap out 16GB 15 GS only- Mait Swep out 3GB 15 GS only- Mait Swep out 3GB 15 GS only- Mait Swep out 32GB Reeded If WWAN is added-swep out original display needed If sedocam is added-sweep out original display needed If webcam 15 GS only- for webcam 15 GS only- needed If sedocam Base Proposal needed for setocam Base Proposal display for Sonty- needed for setocam Base Proposal display display for Sonty- setocam for Sonty- needed for setocam for Sonty- setocam for Sonty- needed for setocam for Sonty-	\$ 1.306.70 Priced in base configuration \$ 2.9.00 Priced in base configuration \$ 3.00.00 \$ 150.00 \$ \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 1.00.00 \$ 3.00.00 \$ 1.00.00 \$ 3.00.00 \$ 1.00.00 \$ 7.00.00 \$ 4.00.00 Priced in base configuration \$ 4.00.00 Priced in base configuration \$ 5.50.00 \$ 7.50.00 \$ 0.00.00 \$ 7.50.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 \$ 0.00.00 >\$ 0.00.00 \$ 0	\$ 347.19 NA \$ 7.71 NA \$ 39.86 \$ 82.37 \$ 40.82 NA \$ 292 \$ 292 \$ 292 \$ 293 \$ 292 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 293 \$ 204 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 106 \$ 109 \$ 109 \$ 109 \$ 109 \$ 109 \$ 109 \$ 109	\$ 004.48 N/A 30.84 N/A 530.84 \$ 30.84 \$ 159.44 \$ 450.28 N/A 565.28 N/A 565.28 N/A 565.28 N/A 565.28 N/A 565.28 \$ 250.16 N/A 54 \$ 7.96 \$ 7.96 \$ 7.96 \$ 20.18 \$ 20.18 \$ 5.84 \$ 7.96 \$ 7.96 \$ 20.18 \$ 20.18 \$ 20.18 \$ 5.84 \$ 7.96 \$ 20.18 \$ 20.1
Base Operating System Operating System Base Memory Memory Memory Memory Base Display D	Base Proposal Ubornide Base Proposal Ubornide Ub	Win 10 Pro 64 Win 10 Pro 64 1656 (2x806) DDR4 2400 23GB (2x16GB) DDR4 2400 33GB (2x16GB) DDR4 2400 33GB (2x16GB) DDR4 2400 33GB (2x16GB) DDR4 2400 33GB (2x16GB) DDR4 2400 34GB (2x16GB) DDR4 2400 15.6 FH0 AG LED WWA 20 slim 15.6 FH0 AG LED WWA 10 VMAN HOC alm 15.6 FH0 AG LED UWVA 200 NWAN HOC alm 15.6 FH0 AG LED UWVA 4400xHDC alm LCD 15.6 LED UWVA 4400x HDC alm LCD 15.6 LED UWVA 4400xHDC alm LD 15.6 LED UWVA	15 GS with 4GB GFX Card 15 GS with 4GB GFX Card 15 GS onlv 16 GS onlv 18 GS onlv 18 GS onlv 18 GS onlv- Must Swee out 16GB 15 GS onlv- Must Swee out 16GB 15 GS onlv- Must Swee out 32GB 16 GS onlv- Must Swee out original display needed if WWAN is added: swee out original display needed if webcam is added area highend display is needed - swee out original display 15 GS onlv- for webcam 15 GS onlv- for webcam 15 GS onlv- needed if webcam is needed 16 GS onlv- needed if webcam is needed 15 GS onlv- needed if webcam is needed 15 GS onlv- needed if webcam is needed 16 GS - must select if configuring the 15 GS 15 GS - must select if configuring the 15 GS 16 GS - must select if configuring the 15 GS 16 GS - must select if configuring the 15 GS 18 GS - must select if configuring the 15 GS 19 GS - must select if configuring	\$ 1.306.70 Priced in base configuration \$ 2.0.00 Priced in base configuration \$ 3.0.00 \$ 7.0.00 \$ 7.0.00 \$ 7.0.00 \$ 7.0.00 \$ 7.0.00 \$ 4.000 \$ 4.000 \$ 4.000 \$ 7.0.000 \$ 7.0.000 \$ 7.0.0000 \$ 9.0.0000 \$ 7.0.0000000000000000000000000000000000	\$ 347.19 NA 7.71 XA 7.71 NA 7.71 NA 7.72 \$ 3.966 \$ 3.237 \$ 2.020 \$ 2.020 \$ 2.020 \$ 2.020 \$ 2.020 \$ 2.020 \$ 2.020 \$ 2.020 \$ 1.060 \$ 1.060 \$ 1.060 \$ 0.080 NA 1.460 \$ 0.080 NA 5 \$ 0.020 \$ 0.020 \$ 0.020 \$ 0.020 \$ 0.020 \$ 0.020 \$ 0.020 \$ 0.020 \$ 0.020 \$ 0.020 \$ 0.020 \$	\$ 004.48 NA 3 \$ 30.84 NA 5 \$ 159.44 \$ 159.44 \$ 563.28 NA 2 \$ 11.68 \$ 3.20 \$ 11.68 \$ 200.16 \$ 200.16 \$ 200.16 \$ 200.76 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 5.84 \$ 7.96 \$ 0.32 NA \$ \$ 6.93 \$ 6.93 \$ 6.93 \$ 1.08 \$ 6.94
Base Operating System Operating System Base Memory Memory Memory Base Display	Base Proposal Ubornide Base Proposal Ubornide Ub	Win 10 Pro 64 Win 10 Pro 64 1656 (2x806) DDR4 200 23GB (2x16GB) DDR4 200 23GB (2x16GB) DDR4 200 23GB (2x16GB) DDR4 200 23GB (2x16GB) DDR4 200 13GB (2x16GB) DDR4 200 15G (2x16GB) DDR4 200 16G (2x16GB) DDR4 200 16G (2x16GB) DDR4 200 16G (2x16GB) DDR4 200 16G	15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only 15 GS 15 GS only 15 GS 15	\$ 1.306.70. Priced in base configuration \$ 29.00 Priced in base configuration \$ 150.00. \$ 150.00. \$ 310.00. \$ 150.00. \$ 310.00. \$ 530.00. Priced in base configuration \$ \$ 1.00.00. \$ 3.00.00. \$ 3.00.00.00. \$ 3.00.00.00. \$ 1.00.00.00.00.00.00.00.00.00.00.00.00.00	\$ 347.19 NA 7.71 NA 9.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 NA 9.237 \$ 30.86 \$ 20.92 \$ 20.92 \$ 20.92 \$ 20.92 \$ 7.24 NA 9.25 \$ 1.06 \$ 1.68 \$ 1.69 \$ 1.68 \$ 1.68 \$ 0.08 NA 9.00 \$ 0.73 \$ 0.27 \$ 0.27 \$ 0.27 \$ 0.27 \$ 0.27 \$ 0.27 \$ 0.27	S 004.48 NA 3 S 30.04 NA 5 S 159.44 S 159.44 S 503.28 N/A 5 S 1168 S 1168 S 2016 NA 2 S 2017 S 2016 NA 2 S 4.24 NA 5 S 0.32 VA 5 S 0.32 NA 5 S 0.32 NA 5 S 0.32 NA 5 S 0.69 S 1.08 NA 7.06 S 1.08 S 1.08 S 1.08 S 1.08 S 5.84 N0 5.84
Base Operating System Operating System Base Memory Memory Memory Memory Base Display Display Display Display Display Display Display Display Base Webcam Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Sase WLANWWAN WLANWWAN WLANWWAN WLANWWAN Sase Multiple Sensor Sase State Sensor WLANWWAN WLANWWAN WLANWWAN State Sensor Sase State Sensor Sase Se	Base Proposal Uborndo Base Proposal Uborndo Ub	Win 10 Pro 64 Win 10 Pro 64 1656 (2x1608) DDR4 2400 32GB (2x1608) DDR4 2400 156 (2x1608) DDR4 2400 15.6 FH0 AG LED UWVA 2011 15.6 FH0 AG LED UWVA for Webcam 15.6 FH0 AG LED UWVA 220 NWAN HPC silm 15.6 FH0 AG LED UWVA 220 NWAN HPC silm 15.6 FH0 AG LED UWVA 2400 HMC silm LCD 15.6 UHOL EDUWVA 400 HMC silm LCD 15.6 UFOL FOR MWEB Integrated HD 720p TM Webcam Integrated HD 720p TM Webcam MS Cho Struct France No Fingerprint Sensor <	15 GS with 4GB GFX Card Base Proposal 15 GS with 4GB GFX Card 15 GS only 15 GS	\$ 1.306.70 Priced in base configuration 2.90.00 Priced in base configuration 5 \$ 150.00 \$ 310.00 \$ 310.00 \$ 310.00 \$ 300.00 Priced in base configuration \$ \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 300.00 \$ 4.00 \$ 72.00.00 \$ 4.00 Priced in base configuration \$ \$ 4.00 Priced in base configuration \$ \$ 0.90 No additional cost \$ > 0.90	\$ 347.19 NA X 7.71 NA \$ 30.86 \$ 32.86 \$ 140.82 NA \$ 20.19 \$ 20.92 \$ 20.10 \$ 20.10 \$ 20.10 \$ 20.10 \$ 20.10 \$ 20.10 \$ 20.10 \$ 20.10 \$ 20.10 \$ 20.10 \$ 20.10 \$ 10.6 \$ 10.6 \$ 10.6 \$ 10.8 \$ 0.08 \$ 0.08 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02 \$ 0.02	\$ 004.48 NA 30.84 NA 30.84 NA 5 \$ 159.44 \$ 159.44 \$ 663.28 NA 20.48 \$ 663.28 NA 20 \$ 11.68 \$ 300.16 NA 200.16 NA 200.16 NA 2 \$ 4.24 \$ 5.84 N/A 2 \$ 5.84 \$ 6.93 \$ 6.94 \$ 6.94 \$ 5.84 \$ 7.94 \$ 5.84 \$ 7.94
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Base Operating System Operating System Ease Memory Memory Memory Base Information Display Displ	Base Proposal Ubornide Base Proposal Ubornide Base Proposal Ubornide Base Proposal Ubornide U	Win 10 Pro 64 Win 10 Pro 64 1658 (2x456)) DDR4 2400 3238 (2x1668) DDR4 2400 3238 (2x1668) DDR4 2466 6468 (2x268) DDR4 2466 6468 (2x268) DDR4 2466 6468 (2x268) DDR4 2466 15.6 FHD AG LED UWVA 220 alim 15.6 FHD AG LED UWVA 220 NWWAN HDC alm 15.6 FHD AG LED UWVA 220 NWWAN HDC alm 15.6 FHD AG LED UWVA 220 NWWAN HDC alm 15.6 FHD AG LED UWVA 220 NWWAN HDC alm 15.6 FHD AG LED UWVA 220 NWWAN HDC alm 15.6 FHD AG LED UWVA 400C alm MBC NO Fingerprint Sensor No Wbecam MBCS NO Fingerprint Sensor Fingerprint Sensor No Fingerprint Sensor No SVC Provider AMER 14 MGC No SUC Provider AMER 14 Mid XMM 7380 LTE-Advanced (Cat 9) 51228 FCIE NWM TLC SSD 25628 PCIE NWM TLC SSD 25628 PCIE NWM TLC SSD 25629 PCIE NWM TLC SSD	15 GS with 4GB GFX Card Base Proposal 15 GS only 15 GS	\$ 1.306.70 Priced in base configuration \$ 2.90.00 Priced in base configuration \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 7.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 5.50.00 \$ 0.00.00 \$ 4.00.00 \$ 0.00.00 \$ 5.50.00 \$ 0.00.00 \$ 5.50.00 \$ 0.00.00 \$ 5.50.00 \$ 0.00.00 <td>§ 347.19 NA S 3.086 S 3.086 S 3.086 S 3.086 S 3.086 S 2.020 S 1.066 S 1.066 S 1.067 S 1.067 S 1.067 S 1.067 S 1.067 S 1.073 S 1.073 S 1.067 S 1.067 S 1.021 S 1.022 S 1.022 S</td> <td>S 004.48 NA 30.44 NA 30.44 NA 5 S 150.44 S 150.44 S 150.44 S 320.48 NA 320.48 S 11.68 S 11.68 S 20.76 S 20.076 S 20.016 NA 20.116 S 20.424 S 20.424 S 20.424 S 20.424 S 5.84 S 5.84 S 5.94 S 5.94 S 1.08 S 5.94 S 5.94 S 1.08 S 5.94 S 5.94 S 15.96 S 15.96 S 15.96 S 15.96 S</td>	§ 347.19 NA S 3.086 S 3.086 S 3.086 S 3.086 S 3.086 S 2.020 S 1.066 S 1.066 S 1.067 S 1.067 S 1.067 S 1.067 S 1.067 S 1.073 S 1.073 S 1.067 S 1.067 S 1.021 S 1.022 S 1.022 S	S 004.48 NA 30.44 NA 30.44 NA 5 S 150.44 S 150.44 S 150.44 S 320.48 NA 320.48 S 11.68 S 11.68 S 20.76 S 20.076 S 20.016 NA 20.116 S 20.424 S 20.424 S 20.424 S 20.424 S 5.84 S 5.84 S 5.94 S 5.94 S 1.08 S 5.94 S 5.94 S 1.08 S 5.94 S 5.94 S 15.96 S 15.96 S 15.96 S 15.96 S
Base Operating System Operating System Esse Memory Memory Memory Base Information Base Display	Base Proposal Ubornske Base Proposal Ubornske Base Proposal Ubornske Uborns	Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 GSG (2x16GB) DDR4 200 SIGB (2x16GB) DDR4 200 SIGB (2x16GB) DDR4 206 SIGB (2x16GB) DUW4 200 slim SIG (2x16GB) DUW4 200 slim SIG (2x16GB) DUW4 200 WWAN HEDC slim SIG (2x16GB) DUW4 200 WWAN HEDC slim SIGB (2x16GB) DUW4 200 WWAN Intel 7360 LTE-AN SWOWN Intel 7360 LTE-AN SIGB (2x16GB) DUW4 TLC SID SIGB PCI-BWA TLC SSD SIGB PCI-BWM6 TLC SSD SIGB	15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only	\$ 1.306.70 Priced in base configuration \$ 2.00.00 Priced in base configuration \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 4.00.00 \$ 5.50.00 \$ 0.00.00 \$ 5.50.00 \$ 0.00.00 \$ 5.50.00 \$ 0.00.00 \$ 5.50.00 \$ 0.00.00 \$ 5.50.00 \$ 0.00.00 \$ 5.50.00 \$ 0.00.00 <td>347.19 NA NA S 39.86 S 39.86 S 39.86 NA 22.97 S 140.82 NA 20.98 S 20.98 S 20.98 S 20.98 S 20.98 S 20.98 S 7.264 NA 10.98 S 1.06 S 1.97 S 1.92 NA 10.90 S 1.92 NA 10.92 S 1.92 NA 10.92 S 1.92 NA 1.92 S <td< td=""><td>S 004.48 NA 3 S 30.84 NA 5 \$ 159.44 S 159.44 S 159.44 S 653.28 NA 20.16 S 11.68 S 20.016 NA 2 S 20.02 NA 2 S 2.02.02 NA 3 S 7.96 S 7.96</td></td<></td>	347.19 NA NA S 39.86 S 39.86 S 39.86 NA 22.97 S 140.82 NA 20.98 S 20.98 S 20.98 S 20.98 S 20.98 S 20.98 S 7.264 NA 10.98 S 1.06 S 1.97 S 1.92 NA 10.90 S 1.92 NA 10.92 S 1.92 NA 10.92 S 1.92 NA 1.92 S 1.92 S <td< td=""><td>S 004.48 NA 3 S 30.84 NA 5 \$ 159.44 S 159.44 S 159.44 S 653.28 NA 20.16 S 11.68 S 20.016 NA 2 S 20.02 NA 2 S 2.02.02 NA 3 S 7.96 S 7.96</td></td<>	S 004.48 NA 3 S 30.84 NA 5 \$ 159.44 S 159.44 S 159.44 S 653.28 NA 20.16 S 11.68 S 20.016 NA 2 S 20.02 NA 2 S 2.02.02 NA 3 S 7.96
Base Operating System Operating System Ease Memory Memory Memory Memory Display isplay Display	Base Proposal Uborndo Base Proposal Uborndo Base Proposal Uborndo Base Proposal Uborndo Ubornd	Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 GSG (2x160B) DDR4 200 SIGB (2x160B) DDR4 200 SIGB (2x160B) DDR4 206 SIGB (2x160B) DUR4 200 Silm SIGE (2x160B) DUR4 200 S	15 GS with 4GB GPX Card Base Proposal 15 GS with 4GB GPX Card Base Proposal 15 GS only Base Proposal 15 GS only 16 GS only 17 GS only 17 GS only 17 GS only 18 GS only 19 GS on	\$ 1.306.70 Priced in base configuration \$ 2.90.00 Priced in base configuration \$ 3.00.00 S 3.00.00 \$ 5.00.00 Priced in base configuration \$ 3.00.00 S 7.60.00 \$ 4.00.00 S 7.60.00 \$ 4.00.00 Priced in base configuration \$ 4.00.00 S 7.80.00 \$ 5.00.00 Priced in base configuration \$ 5.00.00 \$ S 7.60.00 \$ 6.50.00 \$ \$ 5.00.00 \$	347.19 NA NA S 39.86 S 39.86 S 39.86 S 39.86 S 39.86 NA 140.82 NA 20.92 S 20.92 S 20.92 S 20.92 S 7.92 4 NA 106 S 1.06 S 1.06 S 1.06 S 1.08 S 1.06 S 1.08 S 1.02 NA 3.99 S 1.02 S 1.02 S 1.02 S 1.02 S 1.02 S 1.02 <td>S 004.48 NA 3 S 30.04 K 30.04 S 30.04 S 159.44 S 159.44 S 65.28 NA 32.040 S 11.68 S 20.05 NA 32.040 S 20.05 NA 3 S 4.24 S 7.96 S 7.96 S 7.96 S 7.96 S 1.08 S 1.08 S 1.08 S 1.08 S 1.08 S 1.02.6</td>	S 004.48 NA 3 S 30.04 K 30.04 S 30.04 S 159.44 S 159.44 S 65.28 NA 32.040 S 11.68 S 20.05 NA 32.040 S 20.05 NA 3 S 4.24 S 7.96 S 7.96 S 7.96 S 7.96 S 1.08 S 1.08 S 1.08 S 1.08 S 1.08 S 1.02.6
Base Operating System Operating System Base Memory Memory Memory Memory Memory Display	Base Proposal Ubornide Base Proposal Ubornide Base Proposal Ubornide Base Proposal Ubornide U	Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Hold Paci60 DDR4 200 S2GB (2x16GB) DDR4 200 S2GB (2x16GB) DDR4 206 S2GB (2x16GB) DDR4 206 S2GB (2x16GB) DDR4 206 S3GB	15 GS with 4GB GPX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only-Must Swep out 35GB 15 GS only-Must Swep out original display ceeded If webcam is added and a highert display is needed - swap out original display ceeded If webcam 15 GS only-Invested and a highert display is needed - swap out original display 15 GS only-Invested 15 GS only-Invested and a highert display is needed - swap out original display 15 GS only-Invested 15 GS only-Invested 15 GS only-Invested 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS only-Invested If webcam is needed 15 GS 15 GS 15 GS 15 GS only-Invested If webcam is needed 15 GS 15	\$ 1.306.70 Priced in base configuration \$ 2.00.00 \$ 2.00.00 Priced in base configuration \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ \$ 3.00.00 \$ 5.00.00 \$ 3.00.00 \$ 3.00.00 \$ \$ 3.00.00 \$ \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ \$ 3.00.00 \$ 7.00.00 \$ 3.00.00 \$ \$ 3.00.00 \$ \$ 3.00.00 \$ \$ 3.00.00 \$	9 947.19 NA 7 NA 7 NA 8 S 30.86 S 32.97 S 140.82 NA 20.19 S 1.06 S 1.08 S 1.08 S 0.02 S 1.46 S 0.02 S 1.82 NA 11.22 S 1.22 S 1.22 S 1.12 NA 11.22 NA 11.22 NA 11.22 NA 11	9 904.48 NA 309.48 NA 309.48 S 309.48 S 159.44 S 663.28 NA 5 S 11.68 S 3.20 S 11.68 S 3.20 S 11.68 S 3.07 S 6.07.60 NA 200.16 NA 20.16 S 6.03.21 NA 20.16 S 6.04 S 6.03.21 NA 20.016 S 6.03.21 NA 30.32 NA 30.32 NA 30.32 S 6.04 S 6.04 S 6.032 NA 5 S 5.04 S 5.04 S 5.04 S 5.04 S
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Base Operating System Operating System Base Memory Memory Memory Memory Memory Display	Base Proposal Uconsó Base Proposal Uconsó Base Proposal Uconsó Base Proposal Uconsó Uconsó Uconsó Base Proposal Ded Base Proposal Base Base Proposal Base Base Base Base Base Base Base Base	Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 GSG (2x16GB) DDR4 200 SIGB (2x16GB) DDR4 200 SIGB (2x16GB) DDR4 206 SIGB (2x16GB) DUWA 220 WINA SIGB (2x16GB) DUWA 200 WINA SIGC SIM SIGG NG FINGERMAN SIM SIGG NG FINGERMAN SIM SIGG NG FINGERMAN SIM SIGG SIGG PCIA WINA SIGC SIM SIGGB PCIA WINA TLC SIM SIGGB PCIA WINA TLC SIM SIGG WINA SIM SIGG SIGG WINA SIGC SIM SIGG WINA SIGC SIM SIGG PCIA WINA TLC SIM SIGG WINA WINA SIM SIM SIM SIMPORTH SIM SIMPORTH SIM SIM SIMPORTH SIM SIM SIMPORTH SIM SIMPO	15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only 15 GS 15	\$ 1.306.70 Priced in base configuration \$ 2.9.00 Priced in base configuration \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 1.00.00 \$ 3.00.00 \$ 1.00.00 \$ 3.00.00 \$ 1.00.00 \$ 7.00.00 \$ 2.03.00 Priced in base configuration \$ 4.00.00 Priced in base configuration \$ 5.50.00 \$ 0.30.00 \$ 0.30.00 Priced in base configuration \$ 5.50.00 \$ 0.00.00 \$ 1.00.00 \$ 0.00.00 \$ 1.50.00 \$ 0.50.00 \$ 1.50.00 \$ 0.00.00 \$ 5.00.00 Priced in base configura	S 347.19. NA NA NA NA S 3286 S 3287 S 292 S 106 </td <td>S 004.48 NA 30.04 S 30.04 NA 5 S 150.44 S 150.44 S 320.46 NA 320.46 S 320.46 NA 320.46 S 11.68 S 30.76 S 10.60 NA 3 S 4.24 S 3.04 S 3.04 S 3.04 S 3.04 S 3.04 S 3.04 S 7.96 S 7.96 S 1.08 S 7.96 S 1.08 S 1.08<!--</td--></td>	S 004.48 NA 30.04 S 30.04 NA 5 S 150.44 S 150.44 S 320.46 NA 320.46 S 320.46 NA 320.46 S 11.68 S 30.76 S 10.60 NA 3 S 4.24 S 3.04 S 3.04 S 3.04 S 3.04 S 3.04 S 3.04 S 7.96 S 7.96 S 1.08 S 7.96 S 1.08 S 1.08 </td
Base Operating System Operating System Base Memory Memory Memory Memory Memory Display	Base Proposal Ubornide Base Proposal Ubornide Base Proposal Ubornide Base Proposal Ubornide U	Win 10 Pro 64 USA 1200 USA 200	15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only 15 GS 1	\$ 1.306.70 Priced in base configuration \$ 2.00.00 Priced in base configuration \$ 3.00.00 \$ 1.50.00 \$ 3.00.00 Priced in base configuration \$ 3.00.00 \$ 3.00.00 \$ 7.00.00 \$ 3.00.00 \$ 7.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 7.03.00 \$ 7.05.00 \$ 7.05.00 \$ 3.00.00 \$ 7.05.00 \$ 7.05.00 \$ 7.05.00 \$ 7.05.00 \$ 7.05.00 \$ 7.05.00 \$ 0.00.00 \$ 5.00 \$ 0.00.00 \$ 5.00 \$ 0.00.00 \$ 5.00.00 \$ 1.00.00	§ 347.19 NA 3 S 3.28 S 3.237 S 3.237 S 3.237 S 3.202 S 2.021 S 3.082 S 3.082 S 1.061 S 1.062 S 1.062 S 1.062 S 1.062 S 1.062 S 1.062 S 1.072 S 1.062 S 1.062 S 1.052 S 1.052 S 1.052 S 1.052 S 1.052 S	9 904.48 NA 309.48 NA 309.48 S 309.48 S 159.44 S 159.44 S 663.28 NA 320.48 S 11.68 S 30.70 S 607.20 NA 200.16 NA 200.16 NA 200.16 S 6.07.01 S 6.03.20 S 6.04.10 S 6.05.20 NA 20.20 S 6.04.10 S 6.04.10 S 5.04.10 S 5.04.10 NA 5.05.10 S 5.04.10 NA 5.05.10 S 5.04.01 NA 5.05.20 NA 5.05.20 NA 5.05.20 NA 5.04.01 NA 5.04.02 NA
Bas Operating System Cycertaing System Base Memory Memory Memory Memory Base Unique Base Unique Base Variation Display isplay Display Display Display Display Dis	Base Proposal Ubornide Base Proposal Ubornide Base Proposal Ubornide Base Proposal Ubornide U	Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 GSG (2x16GB) DDR4 200 SIGB (2x16GB) DDR4 200 SIGB (2x16GB) DDR4 206 SIGB (2x16GB) DUWA 220 WINA SIGB (2x16GB) DUWA 200 WINA SIGC SIM SIGG NG FINGERMAN SIM SIGG NG FINGERMAN SIM SIGG NG FINGERMAN SIM SIGG SIGG PCIA WINA SIGC SIM SIGGB PCIA WINA TLC SIM SIGGB PCIA WINA TLC SIM SIGG WINA SIM SIGG SIGG WINA SIGC SIM SIGG WINA SIGC SIM SIGG PCIA WINA TLC SIM SIGG WINA WINA SIM SIM SIM SIMPORTH SIM SIMPORTH SIM SIM SIMPORTH SIM SIM SIMPORTH SIM SIMPO	15 GS with 4GB GPX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only	\$ 1.306.70 Priced in base configuration \$ 2.9.00 Priced in base configuration \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 3.00.00 \$ 1.00.00 \$ 3.00.00 \$ 1.00.00 \$ 3.00.00 \$ 1.00.00 \$ 7.00.00 \$ 2.03.00 Priced in base configuration \$ 4.00.00 Priced in base configuration \$ 5.50.00 \$ 0.30.00 \$ 0.30.00 Priced in base configuration \$ 5.50.00 \$ 0.00.00 \$ 1.00.00 \$ 0.00.00 \$ 1.50.00 \$ 0.50.00 \$ 1.50.00 \$ 0.00.00 \$ 5.00.00 Priced in base configura	S 347.19. NA S 3286. S 3286. S 140.82 NA S 3286. S 140.82 NA 2019 S 106 S 106 S 108 S 108 S 0027 NA 109 S 108 S 108 S 108 S 108 S 102 S 122 S 122 S 122 NA 124	S 004.48 NA 30.04 S 30.04 NA 5 S 150.44 S 150.44 S 320.46 NA 320.46 S 320.46 NA 320.46 S 11.68 S 30.76 S 10.60 NA 3 S 4.24 S 3.04 S 3.04 S 3.04 S 3.04 S 3.04 S 3.04 S 7.96 S 7.96 S 1.08 S 7.96 S 1.08 S 1.08 </td

Adapter MISC - 15G5 only MISC - 15G5 only Workstation Accessory Options Optional USB Keyboard	Upgrade Upgrade Upgrade	150 Watt Smart Slim AC Adapter	15 G5	\$ 23.00	\$ 6.11	\$ 24.44
MISC - 15G5 only Workstation Accessory Options	Upgrade					
MISC - 15G5 only Workstation Accessory Options			MISC			
Workstation Accessory Options	Llogrado	MISC HDD Carrier Cage	15 G5 - must select if configuring the 15 G5***	\$ 0.50	\$ 0.13	\$ 0.52
		HP Sure Recover Permanent Disable IOPT	15 G5 - must select if configuring the 15 G5***	\$ 0.74	\$ 0.20	\$ 0.80
Optional USB Keyboard	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
	addon option	HP USB Keyboard	Purchase as needed	\$ 15.00	\$ 3.99	\$ 15.96
Optional USB Mouse	addon option	HP USB Mouse	Purchase as needed	\$ 10.00	\$ 2.66	\$ 10.64
Optional Wireless Mouse	addon option	HP Comfort Grip Wireless Mouse	Purchase as needed	\$ 18.00	\$ 4.78	\$ 19.12
Optional USB External DVDRW Drive	addon option	HP USB External DVDRW Drive	Purchase as needed	\$ 50.00	\$ 13.29	\$ 53.16
Optional Case	addon option	HP Essential Top Load Case	Purchase as needed	\$ 15.00	\$ 3.99	\$ 15.96
Optional TB Dock	addon option	HP Thunderbolt Dock 230W G2 w/ Combo Cable US	Purchase as needed	\$ 240.00	\$ 63.77	\$ 255.08
DIB (Drop in Box) Option	Additional DIB	DIB No Adobe Software	must chose if TB DockG2 w/ Combo Cable is added****	\$ 0.50	\$ 0.14	\$ 0.55
DIB (Drop in Box) Option	Additional DIB	DIB HP Thunderbolt Dock 230W G2 w/ Combo Cable US	must chose if TB DockG2 w/ Combo Cable is required for multi 4k screen display****	\$ 156.00	\$ 42.67	\$ 154.28
Display without workstation purchase	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
	23"	HP Z23n Narrow Bezel IPS Display	1920 x 1080 DVI and VGA interface	\$ 185.00	\$ 47.89	\$ 191.56
	24"	Z24i G2	1920 x 1080 DVI and VGA interface	\$ 231.00	\$ 59.80	\$ 239.20
Flat Panel Workstation Displays	27*	HP Z27n Narrow Bezel Display	1920 x 1080 DVI and VGA interface	\$ 481.00	\$ 124.52	\$ 498.07
	30"	Z32 4K UHD	2560 x 1600 DVI and VGA interface	\$ 938.00	\$ 242.82	\$ 971.28
	24"	HP EliteDisplay E233 Monitor	1920 x 1080 DVI and VGA interface	\$ 160.00	\$ 41.42	\$ 165.68
Flat Panel Elite Displays	27*	HP EliteDisplay E271i LED MNT	1920 x 1080 DVI and VGA interface	\$ 224.00	\$ 57.99	\$ 231.95
Display Services Options	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
	4year	HP 4v Nbd Adv Exchange Large Monitor SVC	For all displays excluding the z23	\$ 5.00	\$ 1.37	\$ 5.48
Display Services Options	4year	HP 4v Nbd Adv Exchange Large Monitor SVC	for Z23 display only	\$ 59.00	\$ 16.14	\$ 64.56
Notebook Services Options	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
Notebook Services Options	5year	HP 5y Nextbusday Onsite WS Only HW Supp	used as an upgrade in place of the 4th year	\$ 60.00	\$ 16.41	\$ 64.56
Notebook Services Options	Svear	HP 5y NextBusDay Onsite NB Only HW Supp	used as an upgrade in place of the 4th year	\$ 150.00	\$ 41.03	\$ 64.56
Notebook Services Options	5year	HP 5v NextBusDay Onsite/DMR NB Only SVC	used as an upgrade in place of the 4th year	\$ 300.00	\$ 82.07	\$ 64.56
Foot Notes					Rules and Exceptions	
Row 73, Column D*	Upgrade	256GB PCIe NVMe Three Layer Cell Solid State Drive	15 G5 only must replace existing harddrive,only one harddrive allowed*	The 256GB and 1TB can be confi your HP rep for validation as there		
		•		your HP rep for validation as there	may be additional factors that p	ronibit this for happening.
Row 74, Column D*	Upgrade	1TB 7200RPM	16 G5 only must replace existing harddrive,only one harddrive allowed*			
Row 79, Column D**	Upgrade	3/3/0 Warrantv	15 G5**	3/3/0 can be configured if the the validation as there may be addition		
				1/1/0 can be configured if the the		
Row 80, Column D**	Upgrade	1/1/0 Warranty US	15 G5**	validation as there may be addition	al factors that prohibit this for h	appening.
Row 97, Column D***	Upgrade	MISC HDD Carrier Cage	15 G5***	if dual hard drive is possible MISC	Sure Recover Permanente mu	st be added to configuration
Row 98, Column D***	Upgrade	HP Sure Recover Permanent Disable IOPT	15 G5***	if dual hard drive is possible MISC	Carrier Cage must be added to	o configuration
Row 104, Column D****	Additional DIB	DIB No Adobe Software	15 G5 only - must choose if requesting a 15 G5****	The base DIB HP 3-button Comfo		t need to be removed in order
Row 105. Column D****	Additional DIB	DIB HP TB Dock G2 w/Combo Cable	15 G5 only -must chose if TB DockG2 w/ Combo Cable is required for multi 4k screen display****	to add these options. Can be adde	d in addition to.	

Vendor	Vista SKU	HP/Mfg. Part No	Vendor PN	Part Description	Cost \$	Base Price \$	BIG DEAL PRICE
Riverside Technologies Inc	4235410	4FX05AA	RTI-F1CWOPba-217	RTI - Imaging	\$13.50	\$15.00	\$15.0
Riverside Technologies Inc	4235411	4FX06AA	RTI-F1CWOPba2-03	RTI - Asset Tags	\$4.50	\$5.00	\$5.0
Riverside Technologies Inc	4235412	4FX07AA	RTI-F1CWOPba-041	RTI - Bios Stamping	\$5.40	\$6.00	\$6.0
Riverside Technologies Inc	4235413	4FX08AA	RTI-F1PAONba-218	RTI - Onsite Warehouse Imaging	\$13.50	\$15.00	\$15.0
Riverside Technologies Inc	4235414	4FX09AA	RTI-F1PAONba-318	RTI - Onsite Asset Tagging per device	\$4.50	\$5.00	\$5.0
Riverside Technologies Inc	4235415	4FX10AA	RTI-F1PAONba-118	RTI - Onsite BIOS Stamping	\$5.40	\$6.00	\$6.0
Riverside Technologies Inc	4235416	4FX11AA	RTI-F1PAONbb-118	RTI - Onsite Initiation & Loading Image	\$93.60	\$104.00	\$104.0
Riverside Technologies Inc	4235417	4FX12AA	RTI-F1PAONbc-118	RTI - Onsite Application & Correlation	\$51.30	\$59.00	\$59.0
Riverside Technologies Inc	4235418	4FX13AA	RTI-F1PAPNbd-118	RTI - Onsite BIOS Stamping	\$51.30	\$59.00	\$59.0
ADEPT							
Vendor	Vista SKU	HP/Mfg. Part No	Vendor PN	Part Description	Cost \$	Base Price \$	BIG DEAL PRICE
Adept Consulting Services, Inc.	4235384	4FG82AA	AC-P2018001	ADPT - Installation	\$79.00	\$86.90	\$86.9
Adept Consulting Services, Inc.	4235385	4FG83AA	AC-P2018004	ADPT - Offsite Delivery & Installation	\$79.00	\$86.90	\$86.9
Adept Consulting Services, Inc.	4235386	4FG84AA	AC-P2018005	ADPT - Data Transfer	\$40.00	\$44.00	\$44.0
Adept Consulting Services, Inc.	4235387	4FG85AA	AC-P2018006	ADPT - Preparation for Shipment	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235388	4FG86AA	AC-P2018007	ADPT - Hard Drive Removal	\$4.00	\$4.40	\$4.4
Adept Consulting Services, Inc.	4235389	4FG87AA	AC-P2018008	ADPT - On-Premise Disk Wipe	\$34.00	\$37.40	\$37.4
Adept Consulting Services, Inc.	4235390	4FG88AA	AC-P2018009	ADPT - Off-Premise Disk Wipe	\$19.00	\$20.90	\$20.9
Adept Consulting Services, Inc.	4235391	4FG89AA	AC-P2018010	ADPT - Relocation within 25 Miles	\$60.00	\$66.00	\$66.0
Adept Consulting Services, Inc.	4235392	4FG90AA	AC-P2018011	ADPT - Relocation Outside 25 Miles	\$67.00	\$73.70	\$73.7
Adept Consulting Services, Inc.	4235393	4FG91AA	AC-P2018012	ADPT - Return to DGS Surplus Warehouse	\$28.00	\$30.80	\$30.8
Adept Consulting Services, Inc.	4235394	4FG98AA	AC-O2018020	ADPT - PA Onsite -ISP Onsite Dlvr & Inst	\$91.00	\$100.10	\$100.1
Adept Consulting Services, Inc.	4235395	4FG99AA	AC-O2018021	ADPT - Managed Logistics	\$28.00	\$30.80	\$30.8
Adept Consulting Services, Inc.	4235396	4FH00AA	AC-02018022	ADPT - Monitor Install Stand alone	\$34.00	\$37.40	\$37.4
Adept Consulting Services, Inc.	4235397	4FH01AA	AC-O2018023	ADPT - Second Monitor instll with system	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235398	4FH02AA	AC-02018024	ADPT - Monitor Prep for Ship	\$8.00	\$8.80	\$8.8
Adept Consulting Services, Inc.	4235399	4FH03AA	AC-O2018025	ADPT - Single Monitor Mount Installation	\$14.00	\$15.40	\$15.4
Adept Consulting Services, Inc.	4235400	4FH04AA	AC-O2018026	ADPT - Dual Monitor Mount Installation	\$24.00	\$26.40	\$26.4
Adept Consulting Services, Inc.	4235401	4FH05AA	AC-O2018027	ADPT - On-Site Asset Tagging	\$5.00	\$5.50	\$5.5
Adept Consulting Services, Inc.	4235402	4FH06AA	AC-O2018028	ADPT - On-Site Image Deployment	\$25.00	\$27.50	\$27.5
Adept Consulting Services, Inc.	4235403	4FH07AA	AC-O2018029	ADPT - Automated Onsite User Data Migrat	\$14.00	\$15.40	\$15.4
Adept Consulting Services, Inc.	4235404	4FH09AA	AC-O2018030	ADPT - Off-Site HDD Removal	\$7.00	\$7.70	\$7.7
Adept Consulting Services, Inc.	4235405	4FH10AA	AC-O2018031	ADPT - Return to DGS-Surplus (Expedited)	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235406	4FH11AA	AC-02018032	ADPT - Hourly Technical Assistance	\$65.00	\$71.50	\$71.5



Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 8 Change Effective Date : 06/26/2019

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors

Contract Period: Beginning January 05, 2019 and Ending January 04, 2020

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

Please reference the attached updated price list which includes the following change.

• Workstation 1 and 2: Addition of a 42.5-inch Z43 4K UHD Display with an Optional 5th year warranty

Fill in the sheet with Workstations for which a Bid is being submitted. All green and yellow cells must have entries for the Bid to be acceptable.

For Base Models:

- 1 Models must meet all the minimum requirements specified in this section.
- 2 Fill in all yellow capability cells. If the model meets the value in the requirement column, place an "X." If the model exceeds the value in the requirements column, enter the actual value.
- 3 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for the model proposed .
- 4 Do not fill in any shaded cells.

For Options:

- 1 If the model can be upgraded to the optional capability, enter the option in the Proposed Model Option column (yellow), enter the purchase price, annual lease price, and total lease price for the option in the green cost cells.
- 2 If the model already includes the capability in the base model price, enter "Included" in the green cost cells.
- 3 If the model cannot be upgraded to the optional capability, enter "Not available" in the green cost cells.
- 4 Do not fill in any shaded cells.
- For Services: 1 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for each service listed.

Appendix C- Workstation 1 Requirements		Requirements for workstaton 1	Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Cost
		Requirements for Workstaton 1	HP Z2 TWR G4 WKS	\$ 1,432.20	\$ 374.41	\$ 1,497.54
Chassis	Form Factor	Desktop-MiniTower	Tower			
	Maximum Size Processor Brand	15.7x6.7x17.4	14 x 6.7 x 17.1 in			
Processor	Minimum Processor Class Minimum Base Processor	Core i7	Core i7			
	Minimum Base Processor Speed	3.4 GHz	Intel® CoreTM i7-8700 3.2 2666 6C CPU			
	Minimum Memory Size Minimum Hard Drive	16GB	16GB (2x8GB) DDR4 2666 DIMM NECC Memory			
Memory and Storage	Capacity Optical Drive Tupe	500GB or better DVD+/-RW	512GB 2.5in SATA Solid State Drive 9.5mm DVD-Writer 1st ODD			
	Optical Drive Type Minimum Optical Drive Speed	16X	16X			
	Kevboard	USB Multimedia	USB Business Slim Wired Kevboard US HP Part # A892952 - Mnitr Part # 4FD-00025 - MICROSOF I			
Input Devices	Mouse	Full sized, laser USB 5 button min. including two buttons on sid	HARDWARE Microsoft Comfort Mouro 4500 - RhisTrack - Cable -			
	Minimum total USB Ports	8 (2 Frant Mount)	Front: 1 headphone/microphone combo; 2 USB 3.0 (1 charging); 1 USB 3.1 Gen 2 Type-C ¹¹⁰ 9 Rear: 1 audio-n; 1 DUH-isingle link; 1 RJ-45; 2 DisplayPort ¹¹⁰ 1.2; USB 2.0; 4 USB 3.014 Hermani: 1 USB 3.0; UZB 2.0 (1 USB 3.0 and 2 USB 2.0 ports available as 2 separate 2 x 10 (3.0 x 1, 2.0 x 1) and 2 x (2.0 x 2) adds: Supports on PI htemal USB			
	Minimum USB 3.0 Ports	4 (2 Front Mount)	3 front - 6 back			
	VGA Port	none	none			
VO	DVI Port	1	1 DVI-I sinale link			
	DP Port	2	2 DisplayPort™ 1.2			
	RJ-45 Port Audio In/Out Ports	1/1	1 RJ-45 Conexant CX20632-31Z, 1.5W internal mono speaker			
	Mic	1	1 headphone/microphone combo Integrated intel® I219-LM PCIe® Gb는; Intel® I350-12 dual-port Gb는			
	LAN	1 GB NIC	NIC	· · · · · · · · · · · · · · · · · · ·		
	Speakers	Internal	Rear: 1 audio-in; 1 audio-out; 1	•		
	Operating System	Windows 10 Professional 64-bit 2 GB NVIDIA Quadro K2000 (2DP and 1DVI-I) (2DP-DVI and	Microsoft Windows 10 Professional Edition 64bit OS NVIDIA Quadro K620 2GB DL-DVI(I)+DP+DP 1st No cables			
	Video/Graphics Card Chipset	1DVI-VGA adapter) Intel® 8 Series (C226)	included Graphics - added 2DP-DVI and 1DVI-VGA adapters			
	Management	Intel@ 8 Series (C226) Intel vPro Technology Enabled	yes			
	Certification	Independent Software Vendor certified (ISV)	Yes			
Other	Sound Card	Integrated	Integrated			
	Documentation	Diagnostics and Drivers DVD	Drivers can be found on HP.com			
	EPEAT Silver Energy Star	Meet or exceed Meet or exceed	Yes - EPEAT Gold registered in the U.S. Yes - HP ENERGY STAR Qualified Configuration			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
			HP Care Pack:U1G56E 9x5 4-Hour Response On-Site Coverage (with or without Disk Retention available), 4 Yrs [use Disk Retention			
	Service	On-site service. 12 business-hour fix	Care Pack], and account management services			
	Flat Panel Display	External	Yes			
	Minim Size Minimum Resolution	1920 x 1080	HP EliteDisplay E233 Monitor and services U0J12E 1920 x 1080			
Display	Titlt Capability	Yes	Swivel Range 45°L to 45°R Display height			
	VGA Interface	1 minimum	(1) VGA 1,8 m (5.9 ft) cable included			
	USB		3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft)			
L	PORTS		(1) DisplayPort [™] 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort [™]			
Options Workstation 1	Option Type	Proposed Model Option	(1) VGA HDCP support Yes, HDMI and DisplayPort™ Rules	Purchase Upgrade Cost from Base Proposal	Annual Lease Cost	Total Lease Cost
Base Operating System	Option Type Base Proposal	Win 10 Pro 64	(1) VGA HDCP support Yes, HDMI and DisplayPort™ Rules Base Proposal	Base Proposal Priced in base configuration		
	Option Type		(1) VGA HDCP support Yes, HDMI and DisplayPort™ Rules	Base Pronosal	Annual Lease Cost \$ 29.37 \$ 22.22	Total Lease Cost \$ 117.46 \$ 88.89
Base Operating System Processor	Option Type Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C	(1) VGA HDCP support Yes, HDM and DisplayPort™ Rules Base Proposal optional upgrade	Base Proposal Priced in base configuration \$ 111.00	\$ 29.37	\$ 117.46
Base Operating System Processor Processor Base Operating System Operating System	Option Type Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core (7- 8700k 6C 95/W Win 10 Pro 64 Win 10 Pro 64 WKST Plus	(1) VGA HDCP support % HOM and DisslamPort % Rele Base Proposal optional upgrade optional upgrade Base Proposal Coption depends on processor selected	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00	\$ 29.37	\$ 117.46
Base Operating System Processor Base Operating System Operating System Base Operating System Load	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core 7: 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 WKST Plus Operating System Load to SATA	(1) VGA HDCP support "N HDM and DisplayPort"* Rules Rules Base Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal	Base Prinosal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration \$ \$ 99.00 Priced in base configuration \$	\$ 29.37 \$ 22.22 \$ 26.19	\$ 117.46 \$ 88.89 \$ 104.76
Base Operating System Processor Processor Base Operating System Operating System	Option Type Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-21760 6C Intel Core I7- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2	(1) VGA HDCP support 'vs. HDM and DisplayPort's Rules Rules Base Proposal optional upgrade optional upgrade Gotion depends on processor selected Base Proposal Cption depends on harddrive type selected	Base Procesal Priced in base configuration \$ 11100 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration no additional cost	\$ 29.37 \$ 22.22	\$ 117.46 \$ 88.89
Base Operating System Processor Processor Base Operating System Operating System Base Operating System Load Operating System Load	Option Type Base Proposal Upgrade Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade	Win 10 Pre 64 Intel Xeon E-2176G 6C Intel Core I7 - 8700k 6C 95W Win 10 Pre 64 Win 10 Pre 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 16GB (2x8GB) DDR4 2666 NECC	(1) VGA HDCP support "N HDM and DisplayPort"* Rules Rules Base Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration Priced in base configuration	\$ 29.37 \$ 22.22 \$ 26.19 n/a	\$ 117.46 \$ 88.89 \$ 104.76 n/a
Base Operating System Processor Processor Base Operating System Operating System Base Operating System Load Operating System Load Base Memory Memory Memory	Option Type Base Proposal Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-21760 6C Intel Core I7- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2	(1) VGA HDCP support 'vs. HDM and Display/Port'* Rules Base Procesal Priced in base configuration \$ 11100 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration no additional cost	\$ 29.37 \$ 22.22 \$ 26.19	\$ 117.46 \$ 88.89 \$ 104.76	
Base Operating System Processor Base Operating System Operating System Coperating System Load Operating System Load Base Memory Memory Memory Memory Memory	Option Type Base Proposal Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-21760 6C Intel Cord 7: 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 4WKST Plus Operating System Load to SATA Operating System Load to NL2 163B (2x80B) DDR4 2666 NECC 32GB (2x16GB) INCEC DDR4-2133 INCC Unbuffered RAM 32GB (2x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC	1) VGA HDCP support % HDM and DisplayPort % Rules Rul	Base Pronesal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 0 Priced in base configuration 0 S 112.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63 \$ 36.51 \$ 203.17	\$ 117.46 \$ 88.89 \$ 104.76 \$ 110.52 \$ 140.03 \$ 812.70
Base Operating System Processor Processor Base Operating System Operating System Base Operating System Load Operating System Load Base Memory Memory Memory Memory Memory Memory	Option Type Base Proposal Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-21760 6C Intel Cert 7: 5700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 1660 (2x606) DDR4 2666 NECC 3/266 (2x1608) InECC DDR4-2133 NECC Undel (2x1608) InECC DDR4 2666 NECC 64/268 (2x1608) DDR4 2666 NECC 64/268 (4x1608) DDR4 2666 DIMM ECC UNB	(1) VGA HDCP support Vs. HDMI and DisplayPort ^{Vs} Rules Rules Base Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Option depends on harddrive type selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 64GB must remove 32GB memory and replace with 64GB	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 99.01 Priced in base configuration 99.02 Priced in base configuration 99.02 \$ 112.00 \$ 138.00 \$ 788.00 \$ 958.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63 \$ 29.63 \$ 36.51	\$ 117.46 \$ 88.89 \$ 104.76 n/a \$ 118.52 \$ 146.03
Base Operating System Processor Base Operating System Operating System Coperating System Load Operating System Load Base Memory Memory Memory Memory Memory	Option Type Base Proposal Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Xeon E-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1668 (2x86g) D0R4 2666 NECC 32GB (2x16GB) D0R4 2666 NECC 64G8 (4x16GB) D0R4 2665 NECC 64G8 (4x16GB) DR4 2665 NECC	1) VGA HDCP support % HDM and DisplayPort % Rules Rul	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 91.00 \$ 191.00 \$ 112.00 \$ 138.00 \$ 788.00 \$ 988.00 Priced in base configuration	\$ 29.37 \$ 22.22 \$ 26.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 203.17 \$ 253.44	\$ 117.46 \$ 86.89 \$ 104.76
Base Operating System Processor Processor Base Operating System Operating System Base Operating System Load Operating System Load Base Mamory Memory Memory Base Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Base Proposal	Win 10 Pro 64 Intel Xeon E-21760 6C Intel Cert 7: 5700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 1660 (2x606) DDR4 2666 NECC 3/266 (2x1608) InECC DDR4-2133 NECC Undel (2x1608) InECC DDR4 2666 NECC 64/268 (2x1608) DDR4 2666 NECC 64/268 (4x1608) DDR4 2666 DIMM ECC UNB	(1) VGA HBCP support %* HDMI and DisslayPert** Rules Rules Base Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Option depends on processor selected Base Proposal Option depends on harddrive type selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 44GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 99.01 Priced in base configuration 99.02 Priced in base configuration 99.02 \$ 112.00 \$ 138.00 \$ 788.00 \$ 958.00	\$ 29.37 \$ 22.22 \$ 26.19 n/a \$ 29.63 \$ 36.51 \$ 203.17	\$ 117.46 \$ 88.89 \$ 104.76 \$ 110.52 \$ 140.03 \$ 812.70
Base Operating System Processor Base Operating System Operating System Base Operating System Base Operating System Load Operating System Load Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive	Option Type Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core 07- 8700k 6C 95W Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 16GB (2x8GB) DDR4 2666 NECC 32GB (2x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 512GB 25 AM X 350 TC 2 Turbo Drive 513GB 2280 TLC SSD	(1) VGA HDCP support %, HDMI and DisslayPert*	Priced in base configuration Priced in base configuration S 84.00 Priced in base configuration Priced in base configuration no additional cost Priced in base configuration S 112.00 S 768.00 S 768.00 S 958.00 Priced in base configuration S 130.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 20.63 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 1.013.76 \$ 137.57
Base Operating System Processor Processor Base Operating System Cperating System Base Operating System Coderating System Base Memory Memory Memory Base Manddrive Harddrive Harddrive Harddrive Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core i7- 8700k 6C 85W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 166G (2x60g) DR4 2666 NECC 32GB (2x16GB) DR4 2666 NECC 64GB (4x16GB) DR4 2666 NECC 54GB (2x16GB) DR4 2666 NECC 54GB (3x16GB) DR4 2668 NECC 51268 25 SATA SSD TC Z Turbo Drive STA 3.5m 20KS Z Turbo Drive STA 3.5m 20KS Z Turbo Drive 1TB 2200 TLC SSD	(1) VGA HDCP support % HDMI and DisslapPert ^{1%} Rules Rase Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 54GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove sitsing harddrive,only one harddrive allowed must remove existing harddrive,only one harddrive allowed rust remove existing harddrive,only one harddrive allowed	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 8 \$ 99.00 Priced in base configuration 9 reced in base configuration 9 \$ 112.00 \$ 138.00 \$ 138.00 \$ 788.00 Priced in base configuration \$ \$ 958.00 Priced in base configuration \$ \$ 193.00 no additional cost no additional cost no additional cost \$ \$ 193.00 \$ 193.00 \$ 00.00 \$ 00.00	\$ 20.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 20.61 \$ 20.61 \$ 20.317 \$ 20.317 \$ 253.44 \$ 34.39 n/a n/a \$ 34.39 n/a \$ 34.39 n/a	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 11013.76 \$ 137.57 n/a n/a \$ 137.57 n/a
Base Operating System Processor Base Operating System Operating System Base Operating System Base Operating System Load Operating System Load Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core 07- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 160B (2x80B) DDR 4 2666 NECC 32GB (2x160B) DDR 4 2666 NECC 64GB (4x160B) DDR 4 2666 NECC 64GB (4x160B) DDR 4 2666 NECC 64GB (4x160B) DDR 4 2666 NECC 5120B 2-5 XIA SBD TC Z Turbo Drue 513GB 2280 TLC SSD 11B 7200 SATA 3-5m WKS 2 Turbo Drue 11B 2280 TLC SSD Z Turbo Drue 11B 2280 TLC SSD Z Turbo Drue 11B 2280 TLC SSD	IV VGA HDCP support %N, HDMI and DisplayPert** Rules Rules Romannes Romann	Priced in base configuration Priced in base configuration Priced in base configuration Priced in base configuration no additional cost Priced in base configuration S 11200 S 198.00 S 768.00 S 768.00 Priced in base configuration S 130.00 no additional cost S 100.00 S 165.00 S 165.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 20.63 \$ 20.63 \$ 20.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n/a n/a \$ 43.65 \$ 43.65	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.75 n/a \$ 174.60 \$ 174.60
Base Operating System Processor Base Operating System Coerrating System Coerrating System Base Operating System Coad Operating System Coad Coerrating System Coad Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive	Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xens F-2176G 6C Intel Xens F-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to SATA Operating System Load to SATA Operating System Load to N 2 16GB (2456B) nECC DDR4-2133 nECC Unbuffered RAM 32GB (2416GB) DDR4 2666 NECC 64GB (4416GB) DDR4 2666 NECC 64GB (4416GB) DDR4 2666 NECC 9126B 2280 TLC SSD 11B 7200 SATA 3.5m VKS 11B 7200 SATA 3.5m 240VKS 2 Turbo Drew 11B 2280 TLC SSD 2 Turbo Unive 11B 2280 TLC SSD 2 Turbo Unive 11B 2280 TLC SSD 11B 2201 SATA 3.5m 250 TLC 2 Turbo Unive 11B 2280 TLC SSD 11B 2201 SATA 3.5m 250 TLC	(1) VGA HDCP support % HDMI and DisslapPert ^{1%} Rules Rase Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 54GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove sitsing harddrive,only one harddrive allowed must remove existing harddrive,only one harddrive allowed rust remove existing harddrive,only one harddrive allowed	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 8 \$ 99.00 Priced in base configuration 9 reced in base configuration 9 \$ 112.00 \$ 138.00 \$ 138.00 \$ 788.00 Priced in base configuration \$ \$ 958.00 Priced in base configuration \$ \$ 193.00 no additional cost no additional cost no additional cost \$ \$ 193.00 \$ 193.00 \$ 00.00 \$ 00.00	\$ 20.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 26.619 \$ 203.17 \$ 203.17 \$ 203.17 \$ 203.17 \$ 253.44 \$ 34.39 n/a n/a \$ 43.65	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 11013.76 \$ 137.57 n/a n/a \$ 137.57 n/a
Base Operating System Processor Processor Base Operating System Cperating System Cperating System Base Operating System Coderating System Base Memory Memory Memory Memory Base Harddrive Base Graphics Card	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core 07- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 160B (2x80B) DDR 4 2666 NECC 32GB (2x160B) DDR 4 2666 NECC 64GB (4x160B) DDR 4 2666 NECC 64GB (4x160B) DDR 4 2666 NECC 64GB (4x160B) DDR 4 2666 NECC 5120B 2-5 XIA SBD TC Z Turbo Drue 513GB 2280 TLC SSD 11B 7200 SATA 3-5m WKS 2 Turbo Drue 11B 2280 TLC SSD Z Turbo Drue 11B 2280 TLC SSD Z Turbo Drue 11B 2280 TLC SSD	(1) VGA HDCP support %, HDM and DisplayPort % Rules	Base Process Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 Priced in base configuration \$ \$ 18.00 \$ 18.00 \$ 180.00 \$ 180.00 \$ 180.00 \$ 180.00 \$ 185.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a \$ 34.39 n'a \$ 34.35 \$ 4.365	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n ^{ta} \$ 137.57 \$ 137
Base Operating System Processor Base Operating System Coerraing System Coerraing System Base Operating System Coerraing System Base Operating System Coerraing System Base Operating System Coerraing Base Manory Memory Memory Memory Memory Base Mandrive Handdrive Handdrive Handdrive Handdrive Handdrive Handdrive Base Operating Base Operating Coerraing Base Operating Base Base Operating Base Operating Base Operating Base Base Operating Base	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade <td>Win 10 Pro 64 Hell Xeon F-217606 6C Intel Core 07- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1608 (2x809) DDR 4 2666 NECC 3208 (2x1608) DDR 4 2666 NECC 6408 (4x1608) DDR 4 2666 NECC 51208 2.5 XIA SSD TC Z Turbo Drue 51268 2280 TLC SSD 118 7200 SATA 3.5m 2ndWKS Z Turbo Drue 118 2280 TLC SSD 2 Turbo Drue 118 2280 TLC SSD</td> <td>(1) VGAHDCP support %, HDM and DisslapPert** Rules Rules Rase Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 32GB must remove 32GB memory and replace with 64GB Base Proposal must remove existing harddrive, only one harddrive allowed must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Mase Proposal</td> <td>Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 \$ 112.00 \$ 118.00 \$ 768.00 \$ 998.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 138.00 no additional cost no additional cost \$ 165.00 \$ 165.00 \$ 30.00</td> <td>\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a \$ 34.39 n'a \$ 34.35 \$ 4.365</td> <td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$ 1</td>	Win 10 Pro 64 Hell Xeon F-217606 6C Intel Core 07- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1608 (2x809) DDR 4 2666 NECC 3208 (2x1608) DDR 4 2666 NECC 6408 (4x1608) DDR 4 2666 NECC 51208 2.5 XIA SSD TC Z Turbo Drue 51268 2280 TLC SSD 118 7200 SATA 3.5m 2ndWKS Z Turbo Drue 118 2280 TLC SSD 2 Turbo Drue 118 2280 TLC SSD	(1) VGAHDCP support %, HDM and DisslapPert** Rules Rules Rase Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 32GB must remove 32GB memory and replace with 64GB Base Proposal must remove existing harddrive, only one harddrive allowed must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Mase Proposal	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 \$ 112.00 \$ 118.00 \$ 768.00 \$ 998.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 98.00 Priced in base configuration \$ \$ 138.00 no additional cost no additional cost \$ 165.00 \$ 165.00 \$ 30.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a \$ 34.39 n'a \$ 34.35 \$ 4.365	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$ 1
Base Operating System Processor Processor Base Operating System Coperating System Base Operating System Base Operating System Coad Operating System Base Operating System Coad Base Memory Memory Memory Memory Memory Base Marddrive Harddrive Harddr	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M 2 16GB (2868) DDR4 2666 NECC 25GB (2x1668) DDR4 2666 NECC 25GB (2x1668) DDR4 2666 NECC 64GB (4x1658) DDR4 2666 NECC 64GB (4x1658) DDR4 2666 NECC 64GB (4x1658) DDR4 2666 NECC 210xb Dme 91268 2280 TLC SSD 11B 2200 SATA 3.5in WKS 11B 2200 SATA 3.5in 240/WS 2 Turbo Dme 11B 2280 TLC SSD 2 TWo Dme 11B 2280 TLC SSD 2 TB 200 SATA 3.5in 2rd NM 40 4268 F820 (4)mDP Graphics Nvd 40 428 F820 (4)mD Graphics Nvd 42 458 F2000 (4)DP Grap	(1) VGA HDCP support %, HDM and DisslapPert** Rules	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 180.00 \$ 180.00 \$ 180.00 \$ 185.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 160.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 7.94 \$ 28.04 \$ 138.62	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.76 \$ 137.57 n th \$ 137.57 n th \$ 137.57 n th \$ 177.60 \$
Base Operating System Processor Base Operating System Coerraing System Coerraing System Base Operating System Coerraing System Base Operating System Coerraing System Base Operating System Coerraing Base Manory Memory Memory Memory Memory Base Mandrive Handdrive Handdrive Handdrive Handdrive Handdrive Handdrive Base Operating Base Operating Coerraing Base Operating Base Base Operating Base Operating Base Operating Base Base Operating Base	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade <td>Win 10 Pro 64 Hell Xeon F-217606 6C Intel Core 07- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1608 (2x809) DDR 4 2666 NECC 3208 (2x1608) DDR 4 2666 NECC 6408 (4x1608) DDR 4 2666 NECC 51208 2.5 XIA SSD TC Z Turbo Drue 51268 2280 TLC SSD 118 7200 SATA 3.5m 2ndWKS Z Turbo Drue 118 2280 TLC SSD 2 Turbo Drue 118 2280 TLC SSD</td> <td>(1) VGAHDCP support %, HDM and DisslapPert** Rules Rules Rase Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 32GB must remove 32GB memory and replace with 64GB Base Proposal must remove existing harddrive, only one harddrive allowed must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Mase Proposal</td> <td>Base Fromosal Priced in base configuration \$ 111.00 \$ 98.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 112.00 \$ 198.00 \$ 198.00 \$ 198.00 \$ 198.00 \$ 198.00 \$ 98.00 Priced in base configuration 3 \$ 958.00 Priced in base configuration 3 \$ 958.00 Priced in base configuration 3 \$ 958.00 Priced in base configuration 3 \$ 185.00 \$ 165.00 \$ 30.00 Priced in base configuration 3 \$ 30.00 Priced in base configuration 3</td> <td>\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 7.94 \$ 28.04 \$ 138.62</td> <td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$ 1</td>	Win 10 Pro 64 Hell Xeon F-217606 6C Intel Core 07- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1608 (2x809) DDR 4 2666 NECC 3208 (2x1608) DDR 4 2666 NECC 6408 (4x1608) DDR 4 2666 NECC 51208 2.5 XIA SSD TC Z Turbo Drue 51268 2280 TLC SSD 118 7200 SATA 3.5m 2ndWKS Z Turbo Drue 118 2280 TLC SSD 2 Turbo Drue 118 2280 TLC SSD	(1) VGAHDCP support %, HDM and DisslapPert** Rules Rules Rase Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 32GB must remove 32GB memory and replace with 64GB Base Proposal must remove existing harddrive, only one harddrive allowed must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Must remove existing harddrive, only one harddrive allowed Znd HDD only available if 1TB Z Turbo (1st hard drive) is selected* Mase Proposal	Base Fromosal Priced in base configuration \$ 111.00 \$ 98.00 Priced in base configuration 99.00 Priced in base configuration no additional cost Priced in base configuration 112.00 \$ 198.00 \$ 198.00 \$ 198.00 \$ 198.00 \$ 198.00 \$ 98.00 Priced in base configuration 3 \$ 958.00 Priced in base configuration 3 \$ 958.00 Priced in base configuration 3 \$ 958.00 Priced in base configuration 3 \$ 185.00 \$ 165.00 \$ 30.00 Priced in base configuration 3 \$ 30.00 Priced in base configuration 3	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 7.94 \$ 28.04 \$ 138.62	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a \$ 137.57 n/a \$ 174.60 \$ 1
Base Operating System Processor Processor Base Operating System Operating System Base Operating System Base Operating System Coad Operating System Base Operating System Operating System Base Operating System Memory Memory Memory Memory Memory Base Marddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Base Graphics Card Graphics Card Graphics Card MiSC	Option Type Base Proposal Upgrade	Win 10 Pro 64 Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M 2 16GB (2868) DDR4 2666 NECC 25GB (2x1668) DDR4 2666 NECC 25GB (2x1668) DDR4 2666 NECC 64GB (4x1658) DDR4 2666 NECC 64GB (4x1658) DDR4 2666 NECC 64GB (4x1658) DDR4 2666 NECC 210xb Dme 91268 2280 TLC SSD 11B 2200 SATA 3.5in WKS 11B 2200 SATA 3.5in 240/WS 2 Turbo Dme 11B 2280 TLC SSD 2 TWo Dme 11B 2280 TLC SSD 2 TB 200 SATA 3.5in 2rd NM 40 4268 F820 (4)mDP Graphics Nvd 40 428 F820 (4)mD Graphics Nvd 42 458 F2000 (4)DP Grap	(1) VGA HDCP support %, HDMI and DisslapPert ^{1%} Rules Rase Proposal optional upgrade optional upgrade Dase Proposal Option depends on processor selected Dase Proposal Option depends on processor selected Dase Proposal Option depends on processor selected Dase Proposal nust remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 32GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove as 2GB memory and replace with 64GB must remove existing harddrive,only one harddrive allowed zint remove existing harddrive,only one harddrive allowed Zind HDD only available if 1TB 2 Turbo (1st hard drive) is selected* must remove existing harddrive,only one harddrive allowed Zind HDD only available if 1TB 2 Turbo (1st hard drive) is selected* must remove existing Graphics Card,only one card allowed must remove existing Graphics Card,only one card allowed	Base Proposal Priced in base configuration \$ 111.00 \$ 84.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 180.00 \$ 180.00 \$ 180.00 \$ 185.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 160.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 36.51 \$ 203.17 \$ 253.44 \$ 34.39 n'a n'a \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 7.94 \$ 28.04 \$ 138.62	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.76 \$ 137.57 n th \$ 137.57 n th \$ 137.57 n th \$ 177.60 \$
Base Operating System Processor Processor Base Operating System Coerrating System Coerrating System Base Operating System Coad Coerrating System Coad Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Base Operating Base Coerrating Card Craphics Card Craphics Card MiSC MiSC MiSC	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Xeon E-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to N.2 16GB (266B) DDA 2666 NECC 23GB (2416GB) DDA 2666 NECC 23GB (2416GB) DDA 2666 NECC 24GB 205 (21 C4 SD 21 Turbo Drive 1176 2280 TLC 32rd SD 118 2.5in SATA SD 2178 Z000 SATA 3.5in 2rd NVG 402 GB P2000 (4)DP Graphics	(1) VGA HDCP support %, HDMI and DisslayPert*	Base Proposal Priced in base configuration \$ 111.00 \$ 9100 Priced in base configuration 90.00 Priced in base configuration 90.00 Priced in base configuration 112.00 \$ 112.00 \$ 118.00 \$ 768.00 \$ 958.00 Priced in base configuration \$ 190.00 \$ 98.00 Priced in base configuration \$ 190.00 \$ 190.00 \$ 190.00 \$ 190.00 \$ 160.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 160.00 \$ 160.00 \$ 145.00 \$ 145.00 \$ 148.00 \$ 1.389.00 \$ 1.389.0	\$ 20.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 20.63 \$ 36.51 \$ 20.317 \$ 253.44 \$ 34.39 n'a n'a \$ 34.36 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 138.62 \$ 28.04 \$ 138.62 \$ 367.46 \$ 138.62 \$ 367.46 \$ 138.62 \$ 367.46 \$ 138.62 \$ 36.51 \$ 20.17 \$ 20.00 \$ 20.0	\$ 117.46 \$ 88.89 \$ 104.76 \$ 118.52 \$ 146.03 \$ 3812.70 \$ 146.03 \$ 317.57 n/a \$ 137.57 n/a \$ 137.57 \$ 149.94 \$ 147.57 \$ 2.20 \$ 2.12
Base Operating System Processor Processor Base Operating System Cperating System Cperating System Base Operating System Cad Cperating System Load Cperating System Load Base Mamory Memory Memory Memory Base Harddrive	Option Type Base Proposal Upgrade Upgrade </td <td>Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Xeon E-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1668 (zx806) DR4 2666 NECC 32GB (Zx16GB) DR4 2666 NECC 64GB (ax16GB) DR4 2666 NECC 512GB 2.5 SATA S5D TC Z Turbo Drive 17B 2269 TLC SSD T1B 7200 SATA 3.5m 2/x5N T1B 7200 SATA 3.5m 2/x5N T1B 7200 SATA 3.5m 2/x5N Z Turbo Drive 17B 2280 TLC SSD M vd 245 GB P2000 (4)DP Graphics Nvd 247 56B P2000 (4)DP Graphics Nvd 248 56B P2000 (4)DP Gra</td> <td>(1) VGAHBCP support %, HDMI and DisslepPert*</td> <td>Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 112.00 \$ 118.00 \$ 998.00 Priced in base configuration \$ \$ 198.00 Priced in base configuration \$ \$ 198.00 Priced in base configuration \$ \$ 198.00 Priced in base configuration \$ \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 160.00 \$ 106.00 \$ 1389.00 \$ 1389.00 \$ 5.00 \$ 5.00 \$ 2.00</td> <td>\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 29.63 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 34.39 n/a n/a \$ 34.39 n/a \$ 34.35 \$ 34.365 \$ 34.365 \$ 2.8.04 \$ 2.8.04 \$ 38.62 \$ 3.862 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.864 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.86</td> <td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 137.57 n/a 1 n/a 1 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 14.69.84 \$ 554.50 \$ 1.469.84 \$ 5.29 \$ 2.12 Total Lease Cost</td>	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Xeon E-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1668 (zx806) DR4 2666 NECC 32GB (Zx16GB) DR4 2666 NECC 64GB (ax16GB) DR4 2666 NECC 512GB 2.5 SATA S5D TC Z Turbo Drive 17B 2269 TLC SSD T1B 7200 SATA 3.5m 2/x5N T1B 7200 SATA 3.5m 2/x5N T1B 7200 SATA 3.5m 2/x5N Z Turbo Drive 17B 2280 TLC SSD M vd 245 GB P2000 (4)DP Graphics Nvd 247 56B P2000 (4)DP Graphics Nvd 248 56B P2000 (4)DP Gra	(1) VGAHBCP support %, HDMI and DisslepPert*	Base Proposal Priced in base configuration \$ 111.00 \$ 94.00 Priced in base configuration 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 112.00 \$ 118.00 \$ 998.00 Priced in base configuration \$ \$ 198.00 Priced in base configuration \$ \$ 198.00 Priced in base configuration \$ \$ 198.00 Priced in base configuration \$ \$ 165.00 \$ 165.00 \$ 166.00 \$ 166.00 \$ 160.00 \$ 106.00 \$ 1389.00 \$ 1389.00 \$ 5.00 \$ 5.00 \$ 2.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 29.63 \$ 203.17 \$ 253.44 \$ 203.17 \$ 253.44 \$ 34.39 n/a n/a \$ 34.39 n/a \$ 34.35 \$ 34.365 \$ 34.365 \$ 2.8.04 \$ 2.8.04 \$ 38.62 \$ 3.862 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.864 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.864 \$ 3.865 \$ 3.86	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 812.70 \$ 146.03 \$ 137.57 n/a 1 n/a 1 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 14.69.84 \$ 554.50 \$ 1.469.84 \$ 5.29 \$ 2.12 Total Lease Cost
Base Operating System Processor Processor Base Operating System Coerrating System Coerrating System Base Operating System Coad Coerrating System Coad Base Memory Memory Memory Memory Memory Base Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Harddrive Base Operating Base Coerrating Card Craphics Card Craphics Card MiSC MiSC MiSC	Option Type Base Proposal Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade <td>Win 10 Pro 64 Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 1668 (2x66B) DR4 2666 NECC 32GB (2x16GB) DR4 2666 NECC 4GBB (4x16GB) DR4 2666 NECC 4GBB (4x16GB) DR4 2666 NECC 4GBB (4x16GB) DR4 2660 NECC 17B 7200 SATA 35m WKS 17B 7200 SATA 35m WKS 17B 7200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC SSD 17B 7200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC SSD 17B 7200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC SSD 17B 200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC SSD 17B 7200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC 2xd SSD 17B 220 SATA 35m 2xd 17B 200 SATA 35m 2xd Nvd Qdr 26B P620 (4)mDP Graphics Nvd Qdr 26B P620 (4)mDP Graphics Nvd Qdr 26B P620 (4)DP LOVD Graphics Nvd Qdr 16G BP5000 (4)DP LOVD Graphics Nvd Qdr 16G P5000 (4)DP LOVD Graphics Nvd Qdr 16G P5000 (4)DP LOVD Graphics Nvd Qdr 16G P5000 (4)DP LOVD Graphics<td>(1) VGA HBCP support %, HDMI and DisslapPert**</td><td>Base Fromosal Priced in base configuration \$ 111.00 \$ 90.00 Priced in base configuration 90.00 Priced in base configuration 0.00 Priced in base configuration 112.00 \$ 112.00 \$ 138.00 \$ 768.00 \$ 138.00 \$ 958.00 Priced in base configuration 5 \$ 958.00 Priced in base configuration 0.01 \$ 958.00 Priced in base configuration 0.01 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 106.00 \$ 1389.00 \$ 1389.00 \$ 1389.00 \$ 2.00 \$ 2.00 \$ 2.00 \$ 15.00</td><td>\$ 20.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 26.19 \$ 26.19 \$ 20.51 \$ 2</td><td>\$ 117.46 \$ 8.88.9 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a 137.57 n/a 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.55 \$ 137.55 \$ 137.55 \$ 142.17 \$ \$ 5 5 5 1 142.85 \$ 142.85 \$ 5 5 5 5 1 142.85 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td></td>	Win 10 Pro 64 Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Win 10 Pro 64 WKST Plus Operating System Load to SATA Operating System Load to M.2 1668 (2x66B) DR4 2666 NECC 32GB (2x16GB) DR4 2666 NECC 4GBB (4x16GB) DR4 2666 NECC 4GBB (4x16GB) DR4 2666 NECC 4GBB (4x16GB) DR4 2660 NECC 17B 7200 SATA 35m WKS 17B 7200 SATA 35m WKS 17B 7200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC SSD 17B 7200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC SSD 17B 7200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC SSD 17B 200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC SSD 17B 7200 SATA 35m 2xdWKS 2 Turbo Drive 17B 2280 TLC 2xd SSD 17B 220 SATA 35m 2xd 17B 200 SATA 35m 2xd Nvd Qdr 26B P620 (4)mDP Graphics Nvd Qdr 26B P620 (4)mDP Graphics Nvd Qdr 26B P620 (4)DP LOVD Graphics Nvd Qdr 16G BP5000 (4)DP LOVD Graphics Nvd Qdr 16G P5000 (4)DP LOVD Graphics Nvd Qdr 16G P5000 (4)DP LOVD Graphics Nvd Qdr 16G P5000 (4)DP LOVD Graphics <td>(1) VGA HBCP support %, HDMI and DisslapPert**</td> <td>Base Fromosal Priced in base configuration \$ 111.00 \$ 90.00 Priced in base configuration 90.00 Priced in base configuration 0.00 Priced in base configuration 112.00 \$ 112.00 \$ 138.00 \$ 768.00 \$ 138.00 \$ 958.00 Priced in base configuration 5 \$ 958.00 Priced in base configuration 0.01 \$ 958.00 Priced in base configuration 0.01 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 106.00 \$ 1389.00 \$ 1389.00 \$ 1389.00 \$ 2.00 \$ 2.00 \$ 2.00 \$ 15.00</td> <td>\$ 20.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 26.19 \$ 26.19 \$ 20.51 \$ 2</td> <td>\$ 117.46 \$ 8.88.9 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a 137.57 n/a 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.55 \$ 137.55 \$ 137.55 \$ 142.17 \$ \$ 5 5 5 1 142.85 \$ 142.85 \$ 5 5 5 5 1 142.85 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td>	(1) VGA HBCP support %, HDMI and DisslapPert**	Base Fromosal Priced in base configuration \$ 111.00 \$ 90.00 Priced in base configuration 90.00 Priced in base configuration 0.00 Priced in base configuration 112.00 \$ 112.00 \$ 138.00 \$ 768.00 \$ 138.00 \$ 958.00 Priced in base configuration 5 \$ 958.00 Priced in base configuration 0.01 \$ 958.00 Priced in base configuration 0.01 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 106.00 \$ 1389.00 \$ 1389.00 \$ 1389.00 \$ 2.00 \$ 2.00 \$ 2.00 \$ 15.00	\$ 20.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 26.19 \$ 26.19 \$ 20.51 \$ 2	\$ 117.46 \$ 8.88.9 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 146.03 \$ 137.57 n/a 137.57 n/a 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.57 \$ 137.55 \$ 137.55 \$ 137.55 \$ 142.17 \$ \$ 5 5 5 1 142.85 \$ 142.85 \$ 5 5 5 5 1 142.85 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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Base Operating System Processor Processor Base Operating System Coperating System Cod Operating System Cod Operating System Cod Derating System Cod Base Operating System Cod Base Operating System Cod Base Operating System Cod Base Marony Memory Memory Memory Memory Memory Memory Memory Base Mardnive Base Mardnive Harddrive Harddrive Harddrive Base Marchee Graphics Card Graphics Card Graphics Card MISC MISC Workstation Accessory Options Optional USB Keyboard Optiona	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade <td>Win 10 Pro 64 Hell Xeon F-2176G 6C Intel Core I7- 8700k 6C 95W Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 1668 (2x806) DDR4 2666 NECC 3026 (2x1608) DDR4 2666 NECC 4026 (2x1608) DDR4 2666 NECC 4038 (2x1608) DDR4 2666 NECC 4048 (4x1608) DDR4 2666 NECC 4048 (4x1608) DDR4 2666 NECC 4048 (4x1608) DDR4 2666 NECC 51208 2.5 XIA SBD TC Z Turbo Drive 51208 2280 TLC SSD 118 7200 SATA 3.5m WKS Z Turbo Drive 118 2280 TLC 28D 21 Tay 200 SATA 3.5m 2nd/WKS Z Turbo Drive 118 2280 TLC 28D 21 Tay 200 SATA 3.5m 2nd/WKS Z Turbo Drive 118 2280 TLC 28D 21 Tay 200 SATA 3.5m 2nd/WKS 21 Tay 200 SATA 3.5m 2nd WG Gr 26B P200 (4)DP Graphics Nrd Gr 26B P200 (4)DP Graphics Nrd Gr 26B P200 (4)DP Graphics Nrd Gr 26B P200 (4)DP VID Graphics Nrd Gr 26B P200 (4)DP VID Graphics Nrd Gr 26B P200 (4)DP VID Graphics Nrd Gr 16GB P500 (4)DP VID Graphics</td> <td>(1) VGA HBCP support %, HDMI and DissupPort^{1%} Rules Rase Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 64GB must remove 16GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove as 2GB memory and replace with 64GB must remove as 2GB memory and replace with 64GB must remove as 2GB memory and replace with 64GB must remove existing harddrive,only one harddrive 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Base Operating System Processor Base Operating System Coerating System Coerating System Base Operating System Coerating System Coerating System Coerating System Coerating System Coerating System Coerating Coerating System Coerating Coerati	Option Type Base Proposal Upgrade Upgrade </td <td>Win 10 Pro 64 Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to M.2 16GB (2x8GB) DDR4 2666 NECC 32GB (2x16GB) DDR4 2666 NECC 32GB (2x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 512GB 225 STA 350 TC Z Turbo Dinke 512GB 2280 TLC SSD 11B 7200 SATA 3.5m YKS Z Turbo Dinke 11B 2280 TLC 25D 2 Turbo Dinke 11B 2280 TLC 25D 11B 7200 SATA 3.5m 2nd NM 0d 26B P200 (4)DP Graphics HP Sential Port Ada</td> <td>(1) VGAHBCP support %, HDM and DissipPert**</td> <td>Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 138.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 160.00 \$ 160.00 \$ 160.00</td> <td>\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 20.619 \$ 20.61 \$ 20.63 \$ 36.51 \$ 20.317 \$ 253.44 \$ 36.51 \$ 20.317 \$ 253.44 \$ 34.365 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 34.365 \$ 34.365 \$ 43.65 \$ 34.365 \$ 34.365 \$ 34.365 \$ 34.365 \$ 43.65 \$ 3.651 \$ 34.365 \$ 3.65 \$ /td> <td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.46 \$ 137.57 n/a 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 142.61 \$ 142.62 \$ 142.62 \$ 142.62 \$ 142.62 \$ 2.22 \$ 10.58 \$ 191.56 \$ 239.20</td>	Win 10 Pro 64 Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to M.2 16GB (2x8GB) DDR4 2666 NECC 32GB (2x16GB) DDR4 2666 NECC 32GB (2x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 64GB (4x16GB) DDR4 2666 NECC 512GB 225 STA 350 TC Z Turbo Dinke 512GB 2280 TLC SSD 11B 7200 SATA 3.5m YKS Z Turbo Dinke 11B 2280 TLC 25D 2 Turbo Dinke 11B 2280 TLC 25D 11B 7200 SATA 3.5m 2nd NM 0d 26B P200 (4)DP Graphics HP Sential Port Ada	(1) VGAHBCP support %, HDM and DissipPert**	Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 138.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 160.00 \$ 160.00 \$ 160.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 20.619 \$ 20.61 \$ 20.63 \$ 36.51 \$ 20.317 \$ 253.44 \$ 36.51 \$ 20.317 \$ 253.44 \$ 34.365 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 34.365 \$ 34.365 \$ 43.65 \$ 34.365 \$ 34.365 \$ 34.365 \$ 34.365 \$ 43.65 \$ 3.651 \$ 34.365 \$ 3.65 \$	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.46 \$ 137.57 n/a 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 142.61 \$ 142.62 \$ 142.62 \$ 142.62 \$ 142.62 \$ 2.22 \$ 10.58 \$ 191.56 \$ 239.20
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Base Operating System Processor Base Operating System Coerating System Coerating System Base Operating System Coerating System Coerating System Coerating System Coerating System Coerating System Coerating Coerating System Coerating Coerati	Option Type Base Proposal Upgrade Upgrade </td <td>Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core i7-8706K 6C 85W Win 10 Pro 64 General State Core Core Core Core Core Core Core Cor</td> <td>(1) VGA HBCP support %, HDMI and DisslapPert*</td> <td>Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 138.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 160.00 \$ 160.00 \$ 160.00</td> <td>\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 20.619 \$ 20.61 \$ 20.63 \$ 36.51 \$ 20.317 \$ 253.44 \$ 36.51 \$ 20.317 \$ 253.44 \$ 34.365 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 34.365 \$ 34.365 \$ 43.65 \$ 34.365 \$ 34.365 \$ 34.365 \$ 34.365 \$ 43.65 \$ 3.651 \$ 34.365 \$ 3.65 \$ /td> <td>\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.46 \$ 137.57 n/a 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 142.61 \$ 142.62 \$ 142.62 \$ 142.62 \$ 142.62 \$ 2.22 \$ 10.58 \$ 191.56 \$ 239.20</td>	Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Core i7-8706K 6C 85W Win 10 Pro 64 General State Core Core Core Core Core Core Core Cor	(1) VGA HBCP support %, HDMI and DisslapPert*	Base Proposal Priced in base configuration \$ 111.00 \$ 99.00 Priced in base configuration 99.00 Priced in base configuration 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 112.00 \$ 128.00 \$ 128.00 \$ 128.00 \$ 138.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 160.00 \$ 160.00 \$ 160.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 20.619 \$ 20.61 \$ 20.63 \$ 36.51 \$ 20.317 \$ 253.44 \$ 36.51 \$ 20.317 \$ 253.44 \$ 34.365 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 43.65 \$ 34.365 \$ 34.365 \$ 43.65 \$ 34.365 \$ 34.365 \$ 34.365 \$ 34.365 \$ 43.65 \$ 3.651 \$ 34.365 \$ 3.65 \$	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 104.76 \$ 118.52 \$ 146.03 \$ 146.03 \$ 146.03 \$ 147.46 \$ 137.57 n/a 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 142.61 \$ 142.62 \$ 142.62 \$ 142.62 \$ 142.62 \$ 2.22 \$ 10.58 \$ 191.56 \$ 239.20
Base Operating System Processor Base Operating System Coerating System Coerating System Base Operating System Coerating System Coerating System Coerating System Coerating System Coerating System Coerating Coerating System Coerating Coerati	Option Type Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade Base Proposal Upgrade	Win 10 Pro 64 Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Intel Xeno F-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to M.2 16GB (2x8GB) DDR 4 2666 NECC 32GB (2x16GB) DDR 4 2666 NECC 32GB (2x16GB) DDR 4 2666 NECC 34GB (2x16GB) DDR 4 2666 NECC 2100 Dmv 513GB 2280 TLC SSD 2117 200 SATA 3.5m 2nd/WKS 2117 200 SATA 3.5m 2nd/WKS 2117 200 SATA 3.5m 2nd/WKS 2117 200 SATA 3.5m 2nd WG Gd 26B P2000 (4)DP Graphics Nvd Gd 26B P2000 (4)DP Graphics Nvd Gd 26B P2000 (4)DP Graphics Nvd Gd 26B P2000 (4)DP A Graphics Nvd Gd 26B	(1) VGAHBCP support %, HDM and DissipPert**	Base Fromosal Priced in base configuration \$ 111.00 \$ 90.00 Priced in base configuration 90.00 Priced in base configuration 112.00 \$ 93.00 Priced in base configuration 5 \$ 112.00 \$ 118.00 \$ 118.00 \$ 118.00 \$ 168.00 \$ 160.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 165.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00 \$ 12.00	\$ 29.37 \$ 22.22 \$ 26.19 \$ 26.19 \$ 26.19 \$ 29.63 \$ 29.63 \$ 29.63 \$ 29.63 \$ 203.17 \$ 29.63 \$ 3.651 \$ 203.17 \$ 203.1	\$ 117.46 \$ 88.89 \$ 104.76 \$ 104.76 \$ 118.52 \$ 118.52 \$ 118.52 \$ 146.03 \$ 112.70 \$ 137.67 n/a - n/a - \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 174.60 \$ 1469.84 \$ 12.12 \$ 1469.84 \$ 1.469.84 \$ 1.058 \$ 1.058 \$ 10.05 \$ 10.58 \$ 10.58 \$ 10.58
Base Operating System Processor Base Operating System Operating System Coperating System Base Operating System Coperating System Base Memory Memory Memory Memory Base Handdrive Handrive Handr	Option Type Base Proposal Upgrade Upgrade </td <td>Win 10 Pro 64 Intel Xeon E-2176G 6C Intel Xeon E-2176G 6C Win 10 Pro 64 Win 10 Pro 64 Win 10 Pro 64 Operating System Load to SATA Operating System Load to M.2 Id68 (2x606) DDR4 2666 NECC 32G8 (2x16G8) DDR4 2666 NECC 64G8 (4x16G8) DDR4 2666 NECC 512G8 2x5ATA SSD TC Z Turbo Dme 512G8 2280 TLC SSD 11B 7200 SATA 3.5m WKS Z Turbo Dme 11B 2280 TLC SSD 2 Turbo Dme 11B 2280 TLC 2nd SSD 11B 7200 SATA 3.5m 2nd/WKS Z Turbo Dme 11B 2280 TLC 2nd SSD 11B 7200 SATA 3.5m 2nd/WKS Z Turbo Dme 11B 2280 TLC 2nd SSD 11B 220 SATA 3.5m 2nd WG 4D 268 P820 (4)DP Graphics Nrd 4D 268 P82</td> <td>(1) VGA HBCP support %, HDMI and DissupProft [%] Rules Rules Rase Proposal optional upgrade optional upgrade Base Proposal Option depends on processor selected Base Proposal Option depends on processor selected Base Proposal Option depends on processor selected Base Proposal must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 32GB must remove 16GB memory and replace with 64GB must remove 16GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove 32GB memory and replace with 64GB must remove assign harddrive,only one harddrive allowed must remove existing forablics. 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	4year	HP 4y Nbd Adv Exchange Large Monitor SVC	For all displays excluding the z23	\$ 5.00	\$ 1.37	\$ 5.47
Display Services Options	4year	HP 4y Nbd Adv Exchange Large Monitor SVC	For Z23 and Z43 display only	\$ 59.00	\$ 16.14	\$ 64.56
	5year	HP 5y Nbd Adv Exchg X-Large Monitor SVC	For Z43 display only	\$ 75.00	\$ 20.52	\$ 82.07
Desktop Services Options	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
Desktop Services Options	5year	HP 5y Nextbusday Onsite WS Only HW Supp	used as an upgrade in place of the 4th year	\$ 60.00	\$ 16.41	\$ 65.65
Foot Notes					Rules and Exceptions	
Row 53, 58,60 and 62, Column D	Upgrade	2nd Hard drive	2nd HDD only available if 1TB (1st hard drive) is selected*	Please work with the HP to confirm if the 2ND Hard drive is possible for your configuration as there may be additional factors that prohibit this for happening		

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 | Purchase Cost

 | Annual Lease Cost
 | Total Lease Cost | | | | | |
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Appendix C- Workstation 2 Requ	uirements	Requirements for workstaton 1	HP ZBook 15u Mobile Workstation
 | \$ 1,409.00

 | \$ 374.37
 | \$ 1,497.48 | | | | | |
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| Chassis | Form Factor | Notebook | Notebook Mobile Workstation - 15.6*
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| | Maximum Size | 15.7x6.7x17.4 | 14.6 x 9.91 x 0.72 in
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| Processor | Processor Brand | Intel
Core i7 | Intel
Core i7
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| | Minimum Processor Class
Minimum Base Processor
Speed | 3.4 GHz | IDS DSC i7-8650U 15u G5 Base NB PC
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| | Minimum Memory Size | 16GB | 16GB 1600MHz DDR3L 4DM
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| Memory and Storage | Capacity | 500GB or better | 512 GB PCIe NVMe Three Layer Cell Solid State Drive
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| | Optical Drive Type
Minimum Optical Drive | DVD+/-RW | External DVD/RW (Sold Seperately)
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| | Speed | 16X | 16X
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| Input Devices | Keyboard
Mouse | USB Multimedia
Full sized, laser USB 5 button min. including two buttons on | HP Collaboration Keyboard, spill-resistant, backlit and function key control
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| | Minimum total USB Ports | side | DIB HP 3-button Comfort Grip wireless Mouse
1 USB Type-C ^{TW} (Thunderbolt ^{TW} 3, USB 3.1)
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| | Minimum USB 3.0 Ports | 4 | 1 USB Type-C™ (Thunderbolt™ 3, USB 3.1)
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| | VGA Port | none | none
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| | DVI Port | 1 | none
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| vo | DP Port | 2 | none
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| | RJ-45 Port | 1 | 1 RJ-45 (Ethemet)
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| | Audio In/Out Ports | 1 | Audio combo jack Internal microphones
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| | LAN | 1 GB NIC | Intel® I219-LM Gigabit* Network Connection (vPro configurations)
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| | Speakers | Internal | Integrated stereo speakers
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| | Operating System | Windows 7 Professional SP1, 64-bit | Microsoft Windows 10 Professional 64 US
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| | Video/Graphics Card | 1 GB NVIDIA Quadro K2000 (2DP and 1DVI-I) (2DP-DVI
and 1DVI-VGA adapter) | AMD Radeon Pro™ WX3100 (2 GB dedicated GDDR5)
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| | Chipset | Intel® 8 Series (C226) | Intel® Kaby Lake - R Chipset integrated with 8th Generation processor
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| | Management | Intel vPro Technology Enabled | Intel Core i7 with vPro technology
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| | Certification | Independent Software Vendor certified (ISV) | Yes
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| Other | Sound Card | Integrated | Integrated
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| | Documentation
EPEAT Silver | Diagnostics and Drivers DVD
Meet or exceed | DVD can be found on hp.com
Yes - EPEAT®
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| | EPEAT Silver
Energy Star | Meet or exceed Meet or exceed | Yes - EPEAT®
Yes - US ENERGY STAR ®
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| | Warranty | Four (4) year | Yes (standard 3/3/3 Warranty + 4 year Care Pack)
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| | | | HP Care Pack: U- HP UB0E8E NBD Onsite/Defective Media Retention NB SVC (for HP
ZBook 3-3-3 mobile workstation notebooks) and account management services
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| | Service | On-site service. 12 business-hour fix | · · · · · · · · · · · · · · · · · · ·
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| | Flat Panel Display
Minim Size | External 23 inch | sold seperately
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| Display | Minimum Resolution | 1920 x 1080 | no
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| Display | Titlt Capability | Yes | no
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| | VGA Interface | 1 minimum | no
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| | DVI Interface | 1 minimum | no
 | \$
Purchase Upgrade Cost from

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 | 1,497.48 | | | | | |
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| Options Workstation 2 Base Processor | Option Type
Base Proposal | Proposed Model Option | Rules
 | Base Proposal

 | Annual Lease Cost
 | Total Lease Cost | | | | | |
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| Processor | | HP IDS DSC i7-8650U 15u G5 BNBPC | Base Proposal
 | Priced in base configuration

 | N/A
 | N/A | | | | | |
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| Processor | Upgrade | HP IDS DSC P2000 4GB i7-8750H 15G5BNBPC
HP IDS DSC P1000 4GB i7-8850H 15G5BNBPC | 15 G5 with 4GB GFX Card 15 G5 with 4GB GFX Card
 | \$ 848.20
\$ 906.70

 | \$ 225.37
\$ 240.91
 | \$ 901.48
\$ 902.48 | | | | | |
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| Processor | | TIF IDS DSC F 1000 400 17-003011 13030140FC | 15 G5 Will 4GB GFX Cald
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| and the second se | | HP IDS DSC P2000 4GB i7-8850H 15G5BNBPC | 15 G5 with 4GB GEX Card |

 | \$ 274.12
 | \$ 903.48 | | | | |
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| Processor | Upgrade
Upgrade | HP IDS DSC P2000 4GB i7-8850H 15G5BNBPC
HP IDS DSC P2000 4GB i9-8950HK 15G5BNBPC | 15 G5 with 4GB GFX Card 15 G5 with 4GB GFX Card
 | \$ 1,031.70
\$ 1,306.70

 | \$ 274.12
\$ 347.19
 | \$ 903.48
\$ 904.48 | | | | | |
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| Processor
Base Operating System | | |
 | \$ 1,031.70
\$ 1,306.70

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| Processor Base Operating System Operating System | Upgrade
Base Proposal
Upgrade | HP IDS DSC P2000 4GB I9-8950HK 15G5BNBPC | 15 GS with 4GB GFX Card
Base Proposal
15 GS only
 | \$ 1,031.70
\$ 1,306.70

 | \$ 347.19
 | \$ 904.48
N/A
\$ 30.84 | | | | | |
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| Processor Base Operating System Operating System Base Memory | Upgrade
Base Proposal
Upgrade
Base Proposal | HP IDS DSC P2000 4GB I9-8950HK 15G5BNBPC
Win 10 Pro 64
Win 10 Pro 64
16GB (2x8GB) DDR4 2400 | 15 G5 with 4GB GFX Card
Base Proposal
15 G5 only
Base Proposal
 | \$ 1,031.70
\$ 1,306.70
Priced in base configuration
\$ 29.00
Priced in base configuration

 | \$ 347.19
N/A
\$ 7.71
N/A
 | \$ 904.48
N/A
\$ 30.84
N/A | | | | | |
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| Processor
Base Operating System
Operating System
Base Memory
Memory | Upgrade
Base Proposal
Uoorade
Base Proposal
Upgrade | HP IDS DSC P2000 4GB IB-8950HK 15G5BNBPC
Win 10 Pro 64
Vin 10 Pro 64
1568 (2x866) DDR4 2400
32GB (2x16GB) DDR4 2400 | 15 GS with 4GS GFX Card Base Proposal 15 GS only Base Proposal Must swap out 15GB
 | \$ 1,031.70
\$ 1,306.70
Priced in base configuration
\$ 29.00
Priced in base configuration
\$ 150.00

 | \$ 347.19
NA
\$ 7.71
NA
\$ 39.86
 | \$ 904.48
N/A
\$ 30.84
N/A
\$ 159.44 | | | | | |
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| Processor
Base Operating System
Operating System
Base Memory | Upgrade
Base Proposal
Ucorade
Base Proposal
Upgrade
Upgrade | HP IDS DSC P2000 4GB I9-8950HK 15G5BNBPC
Win 10 Pro 64
Win 10 Pro 64
16GB (2x8GB) DDR4 2400 | 15 GS with 4G8 GFX Card Base Proposal 15 GS only Base Proposal Must awap out 15G8 15 GS only-Must Swep out 16G8
 | \$ 1,031.70
\$ 1,306.70
Priced in base configuration
\$ 29.00
Priced in base configuration
\$ 150.00
\$ 310.00

 | \$ 347.19
N/A
\$ 7.71
N/A
\$ 39.86
\$ 82.37
 | \$ 904.48
NA
\$ 30.84
NA
\$ 159.44
\$ 329.48 | | | | | |
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| Processor
Base Operating System
Operating System
Base Memory
Memory
Memory | Upgrade
Base Proposal
Uoorade
Base Proposal
Upgrade | HP IDS DSC P2000 4GB I9-850HK 15G58NBPC
Win 10 Pro 64
Win 10 Pro 64
1608 (2x86B) DDR4 2400
32GB (2x16GB) DDR4 2400
32GB (2x16GB) DDR4 2668 | 15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal Must swap out 15GB
 | S 1,031.70 S 1,306.70 Priced in base configuration S S 29.00 Priced in base configuration S S 150.00 S 310.00 S 530.00

 | \$ 347.19
N/A
\$ 7.71
N/A
\$ 39.86
\$ 82.37
\$ 140.82
 | \$ 904.48
NA
\$ 30.84
NA
\$ 159.44
\$ 329.48
\$ 563.28 | | | | | |
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| Processor Base Operating System Cperating System Base Memory Memory Memory Memory Memory | Upgrade
Base Proposal
Ucorade
Base Proposal
Upgrade
Upgrade
Upgrade | HP IDS DSC P2000 4GB IB-8850HK 15GSBNBPC
Win 10 Pro 64
His 10 Pro 64
His 10 Pro 64
His 12 Pro 64
His 12 Pro 64
His 12 Pro 74
His | 15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only 15 GS only-Must Swep out 16GB 15 GS only-Must Swep out 16GB 15 GS only-Must Swep out 32GB | \$ 1,031.70
\$ 1,306.70
Priced in base configuration
\$ 29.00
Priced in base configuration
\$ 150.00
\$ 310.00

 | \$ 347.19
N/A
\$ 7.71
N/A
\$ 39.86
\$ 82.37 | \$ 904.48
NA
\$ 30.84
NA
\$ 159.44
\$ 329.48
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| Processor Base Operating System Operating System Base Memory Memory Memory Memory Base Display Display Display | Upgrade
Base Proposal
Upgrade
Upgrade
Upgrade
Upgrade
Base Proposal | HP IDS DSC P2000 4GB IA-8850HK 15GSBNBPC
Win 10 Pro 64
Uin 10 Pro 64
IEGB (2x680) DDR4 2400
32GB (2x1608) DDR4 2400
32GB (2x1608) DDR4 2606
4GB (2x216) DDR4 2666
4GB (2x216) DDR4 2666
15.6 FHD AG LED UWVA 220 slim | 15 GS with 4GB GFX Card
Base Proposal
15 GS only
Base Proposal
Must awap out 16GB
15 GS only - Must Swap out 16GB
15 GS only - Must Swap out 16GB
15 GS only - Must Swap out 16GB
Base Proposal
 | \$ 1,031.70 \$ 1,306.70 Priced in base configuration \$ \$ 2.90.00 Priced in base configuration \$ \$ 150.00 \$ 310.00 \$ 310.00 \$ 350.00 Priced in base configuration

 | \$ 347.19
NA
\$ 7,71
NA
\$ 39.86
\$ 62.37
\$ 140.82
NA
 | \$ 904.48
NA
\$ 30.84
NA
\$ 159.44
\$ 329.48
\$ 563.28
NA | | | | | |
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| Processor
Base Operating System
Operating System
Base Memory
Memory
Memory
Base Display
Display
Display
Display | Upgrade
Base Proposal
Upgrade
Upgrade
Upgrade
Base Proposal
Upgrade | HP IDS DSC P2000 4GB IP-950HK 15GSBNBPC
Win 10 Pro 64
Win 10 Pro 64
1668 (2x480) DDR4 2400
3GG (2x1608) DDR4 2400
3GG (2x1608) DDR4 2666
6466 (2x2308) DDR4 2666
15.6 FHD AG LED UWVA 220 slim
15.6 FHD AG LED UWVAN | 15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only | \$ 1,031.70 \$ 1,306.70 Priced in base configuration \$ \$ 29.00 Priced in base configuration \$ \$ 150.00 \$ 150.00 \$ 310.00 \$ 530.00 Priced in base configuration \$ 510.00 \$ 510.00 \$ 11.00

 | \$ 347.19 N/A 5 \$ 39.66 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.86 \$ 39.80 \$ 20.92 \$ 20.92 | \$ 904.48
NA
\$ 30.94
NA
\$ 159.44
\$ 563.28
N/A
\$ 11.68
\$ 320
\$ 11.68
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| Processor Base Operating System Operating System Base Memory Memory Memory Base Display Display Display Display Display Display | Ubgrade
Base Proposal
Ubgrade
Ubgrade
Ubgrade
Ubgrade
Base Proposal
Ubgrade
Ubgrade | HP IDS DSC P2000 4GB IP-956HK 15GSBNBPC Win 10 Pro 64 Win 10 Pro 64 EGB [2x605] DDR4 2400 32GB (2x1608) DDR4 2400 32GB (2x1608) DDR4 2400 32GB (2x1608) DDR4 2400 32GB (2x1608) DDR4 2400 12GB (2x1608) DDR4 2400 15.6 FHA GLED UWVA 220 alim 15.6 FHA GLED UWVA 220 wWean HDC slim 15.6 FHA GLED UWVA 220 WWAN HDC slim | 15 GS with 4GB GFX Card 15 GS with 4GB GFX Card 15 GS only Base Proposal 15 GS only- Must Swap out 15GB 15 GS only- Must Swap out 32GB 16 GS only- Must Swap out 32GB 16 GS only- Must Swap out original display needed if WWAN is added - swap out original display needed if webcam is added - swap out original display 15 GS only- for webcam | \$ 1.031.70 \$ 1.306.70 Priced
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Base Proposal | HP IDS DSC P2000 4GB IP-880HK 150SBNBPC Win 10 Pro 64 1668 (2x46GB) DDR4 2400 32GB (2x42GB) DDR4 2400 35G (2x46GB) DDR4 2400 WWAN 15 6 PHD AG LED UWVA 220 NWAN HEDC slim 15 6 PHD AG LED UWVA 4x200 HWAN HEDC slim 15 6 PHD AG LED UWVA 4x00xHDC slim 15 6 PHD AG LED UWVA AWDC slim | 15 GS with 4GB GFX Card Base Proposal 15 GS with 4GB GFX Card 15 GS with 16 GS with 17 GY withcam 15 GS with 1 | \$ 1,031.70 \$ 1,036.70 Priced in base configuration \$ \$ 2.9.00 Priced in base configuration \$ \$ 150.00 \$ 310.00 \$ 330.00 Priced in base configuration \$ \$ 11.00 \$ 3.00 \$ 3.00 \$ 3.00 \$ 3.00 \$ 3.00 \$ 3.00 \$ 3.00 \$ 3.00 \$ 7.6.00 \$ 27.3.00 Priced in base configuration

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| Processor Base Operating System Operating System Base Memory Memory Memory Base Display Display Display Display Display Display Display Display Base Webcam Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor | Uborade Base Proposal Uborade | HP IDS DBC P2000 4GB IB-8850HK 15GSBNBPC Win 10 Pro 64 1406 [2x80B] DDR4 2400 32GB (2x40GB) DDR4 2400 15.6 FHD AG LED UWVA 200 Sim 15.6 FHD AG LED UWVA 220 WWAN 1HDC sim 15.6 FHD AG LED UWVA 220 WWAN 1HDC sim 15.6 FHD AG LED UWVA 220 WWAN 1HDC sim 15.6 FHD AG LED UWVA 220 WWAN 1HDC sim 15.6 FHD AG LED UWVA 220 WWAN 1HDC sim 15.6 FHD AG LED UWVA 220 WWAN 1HDC sim 15.6 FHD AG LED UWVA 200 HWADC 15.6 FHD AG LED UWVA 400HC 15.6 | 15 GS with 4GB GFX Card Base Proposal 15 GS with 4GB GFX Card 15 GS only 15 GS only 15 GS only 16 GS only-Must Swap out 16GB 15 GS only-Must Swap out 16GB 15 GS only-Must Swap out 3CGB 15 GS only-Is added swap out ordinal display needed if Webcam 15 GS only-for webcam 15 GS only-for webcam 15 GS only-needed if webcam is needed 15 GS only-needed if webcam is needed 15 GS only-needed if webcam 15 GS only-needed if webcam is needed 15 GS only-seas out on Onteneristin reader 15 GS - must select if configuring the 15 GS 15 GS - must select if configuring the 15 GS | \$ 1,031,70 \$ 1,036,70 Priced in base configuration \$ 2,90,00 Priced in base configuration \$ 150,00 \$ 150,00 \$ 310,000 \$ 150,000 \$ 330,000 Priced in base configuration \$ 3,000 \$ \$ 11,000 \$ 3,000 \$ \$ 11,000 \$ 3,000 \$ 76,000 \$ 4,000 \$ 76,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 4,000 \$ 5,500 \$ 5,500 \$ 5,500 \$ 5,500 \$ 7,500 \$ 7,500 \$ 7,500 \$ 7,500 \$ 7,500 \$ 7,500 \$ 7,500 \$ 7,500 \$ 7,500 \$ 7,500
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15.6 PHD AG LED UWVA WORD Sim
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33GB (2x1608) DDR 2400
33GB (2x1608) DDR 2406
64GB (2x205) DDR 2406
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15.6 PHD AG LED UWVA 200 slim
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15.6 PHD AG LED UWVA 200 slim
15.6 PHD AG LED UWVA 8HDC slim
16.7 PHD AG LED UWVA 8HDC slim
17.6 PHD AG LED UWVA 7HC SSD
24.6 GB PCIe NVMe THC SSD</td><td>15 GS with 4GB GFX Card 15 GS with 4GB GFX Card 15 GS only 16 GS only 18 GS only 19 GS only 10 GS only 11 GS only 11 GS only 12 GS only 13 GS only 13 GS only 13 GS only 13 GS only 14 GS only 15 /td><td>\$ 1,031,70 \$ 1,036,70 Priced in base configuration \$ 2,90,00 \$
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15.6 PHD AG LED UWVA 200 fm
15.6 PHD AG LED UWVA 200 fm
15.6 PHD AG LED UWVA 4200 fm
16.6 YMVA
16.6 YMVA 100 XG
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25.6 CEN VMA TLC SSD
25.6 PCIR VMA TLC SSD
25.6 PCIR VMA TLC SSD
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Win 10 Pro 64
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3268 (2x1605) DDK 2400
3268 (2x1605) DDK 2400
3268 (2x1605) DDK 2568
64GB (2x3208) DDK 2568
64GB (2x3208) DDK 2588
15.6 FHD AG LED UWVA 420 MWAN
15.6 FHD AG LED UWVA 420 MWAN IHDC alm
15.6 FHD AG LED UWVA 420 MWAN IHDC alm
15.6 FHD AG LED UWVA 220 MWAN IHDC alm
Misgrated HD 720p TM Webcam
Imagrated HD 720p TM Webcam
Misgrated HD 720p TM TC 850
2560 FCIex NMm Tice SSD
2560 FCIex NMm Tice SSD
2560 FCIex NMm Tice SSD
2560 FCIex NMm Tice SSD
2560 Webcam
Misgrated HD 720p TM Misgrated HD
Misgrated HD 720p TM Tice SSD
2560 FCIex NMm Tice S</td><td>15 GS with 4GB GPX Card Base Proposal 15 GS with 15 GS with 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only-Must Swep out 3CGB 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added 15 GS only-Institute added 15 GS only-Institute added 15 GS 15 GS only-Institute add add Institute 15 GS 15 GS only-Institute add add Institute 15 GS 15 GS only-Institute added 15 GS 15 GS only-Institute add add Institute 1730 LTE A AND no service provider must select If Configuring the 15 GS 15 GS only-Institute added 15 GS only-Institute added 15 GS only-Institute</td><td>\$ 1,031,70 \$ 1,036,70 Priced in base configuration 2 \$ 2.09,00 Priced in base configuration 3 \$ 310,00 \$ 330,00 Priced in base configuration 5 \$ 10,00 \$ 3,00 Priced in base configuration 5 \$ 10,00 \$ 7,600 \$ 2,000 Priced in base configuration 5 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 0,300 Priced in base configuration \$ 7,500 \$ 0,500 \$ 0,500 \$ 0,500 \$ 10,000 \$ 10,000 \$<</td><td>9 947.19 NA 7 NA 7 NA 8 S 30.86 S 32.97 S 140.82 NA 20.19 S 1.06 S 1.08 S 1.08 S 0.02 S 1.46 S 0.02 S 1.82 NA 11.22 S 1.22 S 1.22 S 1.12 NA 11.22 NA 11.22 NA 11.22 NA 11</td><td>S 004.48 N/A 30.04 N/A 30.04 S 30.04 S 159.44 S 663.28 N/A 5 S 11.68 S 30.07 S 11.68 S 30.07 S 30.07 S 30.07 S 30.07 S 5.08 N/A 0.032 N/A 0.032 N/A 0.032 S 5.04 S 5.04 S 7.06 S 7.06 S 7.04 S 6.032 N/A 0.032 S 7.06 S</td></tr><tr><td>Processor Base Operating System Operating System Description Base Memory Memory Memory Memory Base Display Display Display Display Display Display Display Display Base Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Base WWAN Option WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN Harddrive Hardd</td><td>Ubornsée Base Proposal Ubornsée Base Proposal Ubornsée Ubornsée Ubornsée Ubornsée Base Proposal Ubornsée Ubornsée Ubornsée Ubornsée Ubornsée Ubornsée Ubornsée Base Proposal Ubornsée U</td><td>HP IDS DSC P2000 4GB IP-8850HK 150SBNBPC
Win 10 Pro 64
1468 (2x403 DDR 2400
32GB 2(x40GB) DDR 2400
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32GB 2(x40GB) DDR 2406
64GB (2x32GB) DDR 266
64GB (2x32GB) DDR 266
64GB (2x32GB) DDR 266
15.6 FHD AG LED UWVA 220 sim
15.6 FHD AG LED UWVA 220 WWAN IPDC sim
15.6 FHD AG LED UWVA 42W MeXcam
15.6 FHD AG LED UWVA 42W MeXcam
15.6 FHD AG LED UWVA 42W MeXcam
15.6 FHD AG LED UWVA 4400 HPC sim
15.6 FHD AG LED UWVA 4400 HPC sim
16.6 Cho SVC Provider AHER
16.6 VAVAN
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16.7 VAVAN
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17.8 PCIR NVM TLC SSD
25.6 GB PCIR NVM TLC SSD
25.6 DC PLWAM TLC
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1668 (2x305) DDR 2400
32GB (2x16GB) DDR 2400
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168 CYA PHONE AG
260 PG LENVA THC SSD
2502B PCIe NVMe /td><td>15 GS with 4GB GFX Card 15 GS with 4GB GFX Card 15 GS onlv Base Proposal 15 GS onlv Base Proposal 15 GS onlv- Must Swop out 3CGB 16 GS onlv- Must Swop out 3CGB 17 GS onlv- Must Swop out 3CGB 18 GS onlv- Needed - swop out original display 19 GS onlv- for webcam 19 GS onlv- needed 1 webcam is needed 19 GS onlv- needed 1 webcam is needed 19 GS - must select 1 configuration the 15 GS 19 GS onlv- must select 1 configuration the 15 GS 19 GS onlv- must select 1 WratesaWLAN is needed in 15 GS 19 GS onlv- must select 1 WratesaWLAN is needed 19 GS onlv- must select 1 No Prov Server 19 GS onlv- must select 1 No Prov No Prov No Prov Server 19 GS onlv- must select 1 No Prov /td><td>\$ 1,031,70 \$ 1,036,70 Priced in base configuration 2 \$ 2,0,00 Priced in base configuration 5 \$ 310,00 \$ 310,00 \$ 310,00 \$ 310,00 \$ 350,00 Priced in base configuration 5 \$ 11,00 \$ 11,00 \$ 4,00 Priced in base configuration 5 \$ 7,50 \$ 0,30 Priced in base configuration 5 \$ 5,00 \$ 0,00 \$ 10,00 >\$ 10,00 >\$</td><td>S 347.19. NA NA NA NA S 3286 S 3287 S 292 S 106 !--</td--><td>S 004.48 N/A 3 S 309.44 N/A 5 S 309.44 S 359.44 S 359.44 S 359.44 S 359.44 S 329.46 S 316.66 S 11.68 S 30.76 S 30.76 S 30.76 S 30.76 S 30.424 S 30.76 S 30.424 S 30.84 S 7.96 S 1.08 S 1.08 S 1.59 S 1.596 S 5.542 S 5.542 S</td></td></tr><tr><td>Processor
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3208 (2)405B) DDK 2400
3208 (2)405B) DDK 2400
3208 (2)405B) DDK 2400
3208 (2)405B) DDK 2406
64GB (2)432GB) DDK 2686
15.6 FHD AG LED UWVA 420
15.6 FHD AG LED UWVA 420 MWAN
15.6 FHD AG LED UWVA 420 MWAN 1HDC alm
15.6 FHD AG LED UWVA 220 MWAN 1HDC alm
15.6 FHD AG LED UWVA 220 MWAN 1HDC alm
15.6 FHD AG LED UWVA 220 MWAN 1HDC alm
15.6 FHD AG LED UWVA 200 MWAN
15.6 FHD AG LED UWVA 4000 HOCalm
15.6 FHD AG LED UWVA 200 MWAN
15.6 FHD AG LED UWVA 4000 HOCalm
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16.7 FHD AG LED UWVA 4000 HOCAL
17.8 FHD AG LET A
NG WWAN
17.8 JON FUE AG
17.8 FHD AG LED LENC CAI SOLD State Drive
17.8 GHE NVMA TLC SSD
25.6 FC FIOR WMA TLC SSD
25</td><td>15 GS with 4GB GPX Card 15 GS with 4GB GPX Card 15 GS only 15</td><td>\$ 1,031,70 \$ 1,036,70 Priced in base configuration 2 \$ 2.09,00 Priced in base configuration 3 \$ 310,00 \$ 330,00 Priced in base configuration 5 \$ 10,00 \$ 110,00 \$ 110,00 \$ 110,00 \$ 7,60,00 \$ 273,00 Priced in base configuration 5 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00,00</td><td>§ 347.19
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Win 10 Pro 64
1668 (2x305) DDR 2400
32GB (2x16GB) DDR 2400
32GB (2x16GB) DDR 2400
32GB (2x16GB) DDR 2400
32GB (2x16GB) DDR 2606
15.6 PHD AG LED UWVA WA
15.6 PHD AG LED UWVA WWA
15.6 PHD AG LED UWVA W Webcam
15.6 PHD AG LED UWVA WWA
15.6 PHD AG LED UWVA WWA
168 CYA
168 CYA PHONE AG
260 PG LENVA THC SSD
2502B PCIe NVMe /td><td>15 GS with 4GB GPX Card Base Proposal 15 GS only Mard Swap out 16GB 15 GS only-Mard Swap out 16GB 15 GS only-Mard Swap out 35GB 15 GS only-Intervention 15 GS on</td><td>\$ 1,031,70 \$ 1,036,70 Priced in base configuration 2 \$ 2,0,00 Priced in base configuration 5 \$ 310,00 \$ 310,00 \$ 310,00 \$ 310,00 \$ 350,00 Priced in base configuration 5 \$ 11,00 \$ 11,00 \$ 4,00 Priced in base configuration 5 \$ 7,50 \$ 0,30 Priced in base configuration 5 \$ 5,00 \$ 0,00 \$ 10,00 >\$ 10,00 >\$</td><td>S 347.19. NA S 3286. S 3286. S 140.82 NA S 3286. S 140.82 NA 2019 S 106 S 106 S 108 S 108 S 0.021 NA 109 S 108 S 108 S 108 S 108 S 102 S 122 S 122 S 122 NA 124</td><td>S 004.48 N/A 3 S 309.44 N/A 5 S 309.44 S 359.44 S 359.44 S 359.44 S 359.44 S 329.46 S 316.66 S 11.68 S 30.76 S 30.76 S 30.76 S 30.76 S 30.424 S 30.76 S 30.424 S 30.84 S 7.96 S 1.08 S 1.08 S 1.59 S 1.596 S 5.542 S 5.542 S</td></tr></tr> | § 347.19 NA S 30.86 S 30.87 S 30.86 S 140.82 NA S 20.97 S 20.98 S 20.98 S 20.92 S 20.92 S 20.93 S 20.93 S 20.93 S 1.06 S 1.06 S 1.46 S 0.92 S 1.46 S 1.06 S 1.46 S 0.92 S 1.46 S 0.92 S 1.62 NA 99 S 3.92 S 1.92 S 1.92 S 1.92 S 1.92 S 1.92 S 1.92 </td <td>904.48 NA 3 304.48 NA 309.48 S 309.48 S 159.44 S 663.28 NA 329.48 S 663.28 NA 329.48 S 663.28 NA 329.48 S 367.8 S 60.76 S 60.76 S 624.4 NA 3 S 5.84 S 6.93 NA 7.96 S 6.93 S 6.94 S 6.94 S 6.94 S 15.94 S 5.94.85</td> | 904.48 NA 3 304.48 NA 309.48 S 309.48 S 159.44 S 663.28 NA 329.48 S 663.28 NA 329.48 S 663.28 NA 329.48 S 367.8 S 60.76 S 60.76 S 624.4 NA 3 S 5.84 S 6.93 NA 7.96 S 6.93 S 6.94 S 6.94 S 6.94 S 15.94 S 5.94.85 | Processor Base Oraging System Coperating System Base Memory Memory Memory Base Display Display Display Display Display Display Base Webcam Wabcam Wabcam Base Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Base WAA Option WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN Base Fanderlev Option Base Watarie Haddrine | Uborado Base Proposal Uborado | HP IDS DSC P2000 4GB IP-880HK 150SBNBPC Win 10 Pro 64 HEGB (2x6GB) DDR 2400 32GB (2x6GB) DDR 2406 44GB (2x32GB) DDR 2406 55.6 FHD AG LED UWVA 2400 15.6 FHD AG LED UWVA for Webcam 15.6 FHD AG LED UWVA 220 NWAN HHD alm 15.6 FHD AG LED UWVA 400×HDC alm Insegrated HD 720p TM Webcam No WWAN Insegrated HD 720p TM Webcam No SVC Provide AMER 14 MISC No Fingerprint Sensor No SVC Provide AMER 14 MIS 200 LTE-Advanced (Cat 9) 51206 DEIC NVMa TLC SSD 2560B
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15.6 PHD AG LED UWVA 200 slim
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15.6 PHD AG LED UWVA 200 slim
15.6 PHD AG LED UWVA 8HDC slim
16.7 PHD AG LED UWVA 8HDC slim
17.6 PHD AG LED UWVA 7HC SSD
24.6 GB PCIe NVMe THC SSD | 15 GS with 4GB GFX Card 15 GS with 4GB GFX Card 15 GS only 16 GS only 18 GS only 19 GS only 10 GS only 11 GS only 11 GS only 12 GS only 13 GS only 13 GS only 13 GS only 13 GS only 14 GS only 15 | \$ 1,031,70 \$ 1,036,70 Priced in base configuration \$ 2,90,00 \$ 2,90,00 Priced in base configuration \$ \$ 150,00 \$ 310,00 \$ 330,00 \$ 310,00 \$ 150,00 \$ 300,00 \$ 330,00 \$ 3,00 \$ 11,00 \$ 3,00 \$ 76,00 \$ 4,00 \$ 76,00 \$ 4,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 0,00 \$ 5,00 \$ 76,00 \$ 116,00 \$ 74,50 \$ 16,00 \$ | 347.19 NA NA S 39.86 S 39.86 S 39.86 NA 22.97 S 140.82 NA 20.98 S 20.98 S 20.98 S 20.98 S 20.98 S 7.24 NA 106 S 1.06 S 1.98 S 1.98 S 1.93 NA 100 S
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64GB (2x3208) DDK 2588
15.6 FHD AG LED UWVA 420 MWAN
15.6 FHD AG LED UWVA 420 MWAN IHDC alm
15.6 FHD AG LED UWVA 420 MWAN IHDC alm
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Misgrated HD 720p TM TC 850
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2560 FCIex NMm Tice SSD
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17.8 PCIR NVM TLC SSD
25.6 GB PCIR NVM TLC SSD
25.6 DC PLWAM TLC SSD
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<</td><td>S004.48NA30.44NA30.48S50.52NA30.48S60.52NA30.48S60.78S11.68S30.76S20.16NA20.16NA20.16S60.78S60.78S60.78S60.78S584S7.96NA70.16NA70.16S5.94S6.93S7.94S7.94S6.94S15.96S6.95S6.95S6.96</td></tr<> | § 347.19 NA 3 S 3.28 S 3.237 S 3.237 S 3.262 NA 3 S 2.021 S 3.082 S 3.082 S 1.061 S 1.062 S 1.062 S 1.062 S 1.062 S 1.072 S 1.062 S 1.052 S < | S004.48NA30.44NA30.48S50.52NA30.48S60.52NA30.48S60.78S11.68S30.76S20.16NA20.16NA20.16S60.78S60.78S60.78S60.78S584S7.96NA70.16NA70.16S5.94S6.93S7.94S7.94S6.94S15.96S6.95S6.95S6.96 | Processor Base Operating System Cperating System Base Memory Memory Memory Memory Base Display Display Display Display Display Display Display Base Webcam Webcam Webcam Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Ease WWN Option WLANWWAN WANWAN WLANWWAN WLANWAN WLANWWAN WLANWHANWWAN | Uconsée Base Proposal Uconsée | HP IDS DSC P2000 4GB IP-850HK 150SBNBPC
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15.6 PHD AG LED UWVA WA
15.6 PHD AG LED UWVA WWA
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3208 (2)405B) DDK 2400
3208 (2)405B) DDK 2406
64GB (2)432GB) DDK 2686
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15.6 FHD AG LED UWVA 420 MWAN
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15.6 FHD AG LED UWVA 200 MWAN
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NG WWAN
17.8 JON FUE AG
17.8 FHD AG LED LENC CAI SOLD State Drive
17.8 GHE NVMA TLC SSD
25.6 FC FIOR WMA TLC SSD
25 | 15 GS with 4GB GPX Card 15 GS with 4GB GPX Card 15 GS only 15 | \$ 1,031,70 \$ 1,036,70 Priced in base configuration 2 \$ 2.09,00 Priced in base configuration 3 \$ 310,00 \$ 330,00 Priced in base configuration 5 \$ 10,00 \$ 110,00 \$ 110,00 \$ 110,00 \$ 7,60,00 \$ 273,00 Priced in base configuration 5 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00 \$ 7,60,00,00 | § 347.19 NA 3 S 3.28 S 3.237 S 3.237 S 3.262 NA 3 S 2.021 S 3.082 S 3.082 S 1.061 S 1.062 S 1.062 S 1.062 S 1.062 S 1.072 S 1.062 S 1.052 S < | 9 904.48 NXA 30.94.48 NXA 30.94.61 S 159.44 S 159.44 S 165.42 NXA 30.94.61 S 665.28 NXA 30.94.61 S 11.68 S 30.70.16 S 30.97.16 NXA 30.97.16 S 5.84 NXA 30.97.16 S 5.84 NXA 30.97.16 S 5.84 S 7.94.16 S 5.84 S 7.94.16 S 5.84 S 7.94.16 S | Processor Base Operating System Operating System Base Memory Memory Memory Memory Base Display Base Webcam Webcam Webcam Base Webcam Webcam Base Fingerprint Sensor Fingerprint Sensor Fingerprint Sensor Base WVAN Option WLAWWAN WLANWWAN W | Uconsée Base Proposal Uconsée | HP IDS DSC P2000 4GB IP-850HK 150SBNBPC
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32GB (2x16GB) DDR 2400
32GB (2x16GB) DDR 2606
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168 CYA PHONE AG
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| § 347.19 NA S 30.86 S 30.87 S 30.86 S 140.82 NA S 20.97 S 20.98 S 20.98 S 20.92 S 20.92 S 20.93 S 20.93 S 20.93 S 1.06 S 1.06 S 1.46 S 0.92 S 1.46 S 1.06 S 1.46 S 0.92 S 1.46 S 0.92 S 1.62 NA 99 S 3.92 S 1.92 S 1.92 S 1.92 S 1.92 S 1.92 S 1.92 </td <td>904.48 NA 3 304.48 NA 309.48 S 309.48 S 159.44 S 663.28 NA 329.48 S 663.28 NA 329.48 S 663.28 NA 329.48 S 367.8 S 60.76 S 60.76 S 624.4 NA 3 S 5.84 S 6.93 NA 7.96 S 6.93 S 6.94 S 6.94 S 6.94 S 15.94 S 5.94.85</td> | 904.48 NA 3 304.48 NA 309.48 S 309.48 S 159.44 S 663.28 NA 329.48 S 663.28 NA 329.48 S 663.28 NA 329.48 S 367.8 S 60.76 S 60.76 S 624.4 NA 3 S 5.84 S 6.93 NA 7.96 S 6.93 S 6.94 S 6.94 S 6.94 S 15.94 S 5.94.85 | Processor Base Oraging System Coperating System Base Memory Memory Memory Base Display Display Display Display Display Display Base Webcam Wabcam Wabcam Base Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Base WAA Option WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN Base Fanderlev Option Base Watarie Haddrine | Uborado Base Proposal Uborado | HP IDS DSC P2000 4GB IP-880HK 150SBNBPC Win 10 Pro 64 HEGB (2x6GB) DDR 2400 32GB (2x6GB) DDR 2406 44GB (2x32GB) DDR 2406 55.6 FHD AG LED UWVA 2400 15.6 FHD AG LED UWVA for Webcam 15.6 FHD AG LED UWVA 220 NWAN HHD alm 15.6 FHD AG LED UWVA 400×HDC alm Insegrated HD 720p TM Webcam No WWAN Insegrated HD 720p TM Webcam No SVC Provide AMER 14 MISC No Fingerprint Sensor No SVC Provide AMER 14 MIS 200 LTE-Advanced (Cat 9) 51206 DEIC NVMa TLC SSD 2560B

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15.6 PHD AG LED UWVA 8HDC slim
16.7 PHD AG LED UWVA 8HDC slim
17.6 PHD AG LED UWVA 7HC SSD
24.6 GB PCIe NVMe THC SSD | 15 GS with 4GB GFX Card 15 GS with 4GB GFX Card 15 GS only 16 GS only 18 GS only 19 GS only 10 GS only 11 GS only 11 GS only 12 GS only 13 GS only 13 GS only 13 GS only 13 GS only 14 GS only 15 | \$ 1,031,70 \$ 1,036,70 Priced in base configuration \$ 2,90,00 \$ 2,90,00 Priced in base configuration \$ \$ 150,00 \$ 310,00 \$ 330,00 \$ 310,00 \$ 150,00 \$ 300,00 \$ 330,00 \$ 3,00 \$ 11,00 \$ 3,00 \$ 76,00 \$ 4,00 \$ 76,00 \$ 4,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 0,00 \$ 5,00 \$ 76,00 \$ 116,00 \$ 74,50 \$ 16,00 \$ | 347.19 NA NA S 39.86 S 39.86 S 39.86 NA 22.97 S 140.82 NA 20.98 S 20.98 S 20.98 S 20.98 S 20.98 S 7.24 NA 106 S 1.06 S 1.98 S 1.98 S 1.93 NA 100 S 1.93 NA 1073 S 1.92 NA 1073 S 1.92 NA 1.92 S 3.99 S 3.92 S 1.92 S 1.92 S 1.92 S 1.92 S 1.92 S 1.92 S 1.92 <td>\$ 004.48 NA 3 S 30.44 NA 3 \$ 159.44 \$ 159.44 \$ 25.44 \$ 25.44 \$ 16.65 NA 2 \$ 11.68 \$ 20.16 \$ 20.16 NA 2 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96</td> | \$ 004.48 NA 3 S 30.44 NA 3 \$ 159.44 \$ 159.44 \$ 25.44 \$ 25.44 \$ 16.65 NA 2 \$ 11.68 \$ 20.16 \$ 20.16 NA 2 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 4.24 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 \$ 7.96 | Processor
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32GB (2x1608) DDR 2400
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15.6 PHD AG LED UWVA 200 sim
15.6 PHD AG LED UWVA 200 sim
15.6 PHD AG LED UWVA 200 fm
15.6 PHD AG LED UWVA 200 fm
15.6 PHD AG LED UWVA 4200 fm
16.6 YMVA
16.6 YMVA 100 XG
25.6 PCIR VMA TLC SSD
25.6 CEN VMA TLC SSD
25.6 PCIR VMA TLC SSD
25.6 PCIR VMA TLC SSD
25.6 PCIR VMA TLC SSD
25.6 WWATM
17.8 PCIR VMA TLC SSD
25.6 WWATM
17.8 PCIR VMA TLC SSD
25.6 CEN VMA TLC SSD
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| Processor Base Oraging System Coperating System Base Memory Memory Memory Base Display Display Display Display Display Display Base Webcam Wabcam Wabcam Base Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Finagerprint Sensor Base WAA Option WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN WLANWWAN Base Fanderlev Option Base Watarie Haddrine | Uborado Base Proposal Uborado | HP IDS DSC P2000 4GB IP-880HK 150SBNBPC Win 10 Pro 64 HEGB (2x6GB) DDR 2400 32GB (2x6GB) DDR 2406 44GB (2x32GB) DDR 2406 55.6 FHD AG LED UWVA 2400 15.6 FHD AG LED UWVA for Webcam 15.6 FHD AG LED UWVA 220 NWAN HHD alm 15.6 FHD AG LED UWVA 400×HDC alm Insegrated HD 720p TM Webcam No WWAN Insegrated HD 720p TM Webcam No SVC Provide AMER 14 MISC No Fingerprint Sensor No SVC Provide AMER 14 MIS 200 LTE-Advanced (Cat 9) 51206 DEIC NVMa TLC SSD 2560B | 15 GS with 4GB GFX Card Base Proposal 15 GS with 4GB GFX Card 15 GS only 16 GS only 17 GS only 18 added swep out orGB 18 able Proposal 18 GS only 18 added swep out orGB 18 able Proposal 18 GS only 19 GS only | \$ 1,031,70 \$ 1,036,70 Priced in base configuration \$ \$ 2,90,00 Priced in base configuration \$ \$ 150,00 \$ 310,00 \$ 330,00 Priced in base configuration \$ \$ 150,00 \$ 330,00 Priced in base configuration \$ \$ 10,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 78,00 Priced in base configuration \$ \$ 74,50

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1468 (2x405) DDR 2400
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33GB (2x1608) DDR 2400
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64GB (2x205) DDR 2406
15.6 PHD AG LED UWVA 220 slim
15.6 PHD AG LED UWVA 200 slim
LID 15.6 UND ED UWVA WHOC slim
15.6 PHD AG LED UWVA 200 slim
15.6 PHD AG LED UWVA 200 slim
15.6 PHD AG LED UWVA 200 slim
15.6 PHD AG LED UWVA 8HDC slim
16.7 PHD AG LED UWVA 8HDC slim
17.6 PHD AG LED UWVA 7HC SSD
24.6 GB PCIe NVMe THC SSD | 15 GS with 4GB GFX Card 15 GS with 4GB GFX Card 15 GS only 16 GS only 18 GS only 19 GS only 10 GS only 11 GS only 11 GS only 12 GS only 13 GS only 13 GS only 13 GS only 13 GS only 14 GS only 15 | \$ 1,031,70 \$ 1,036,70 Priced in base configuration \$ 2,90,00 \$ 2,90,00 Priced in base configuration \$ \$ 150,00 \$ 310,00 \$ 330,00 \$ 310,00 \$ 150,00 \$ 300,00 \$ 330,00 \$ 3,00 \$ 11,00 \$ 3,00 \$ 76,00 \$ 4,00 \$ 76,00 \$ 4,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 70,00 \$ 76,00 \$ 0,00 \$ 5,00 \$ 76,00 \$ 116,00 \$ 74,50 \$ 16,00 \$

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16.6 YMVA 100 XG
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25.6 W | 15 GS with 4GB GFX Card Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only-Must Swep out 35GB 15 GS only-Institute added and a highend display in needed - swep out original display 15 GS only- for webcam 15 GS only-needed if webcam in needed 15 GS only-must select if configuring the 15 GS 16 GS-must select if configuring the 15 GS 15 GS only-must select if is selected 15 GS only-must select if the selected in 15 GS 15 GS only-must select if the selected in 15 GS 15 GS only-must select if the selected 15 GS only-must select if the selected in 15 GS 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if 15 GS only-must select if the selected if the selected if the selected if 15 GS only-must select if the theore selected advite only one hardthe allowed 15 GS only-must select if the Proposal 15 GS only-m | \$ 1,031,70 \$ 1,036,70 Priced in base configuration 2 \$ 2,00,00 Priced in base configuration 5 \$ 310,00 \$ 310,00 \$ 310,00 \$ 310,00 \$ 110,00 \$ 110,00 \$ 110,00 \$ 110,00 \$ 7,00 Priced in base configuration 5 \$ 7,60 \$ 7,80 \$ 7,80 \$ 7,80 \$ 7,80 \$ 7,80 \$ 7,80 \$ 7,80 \$ 7,80 \$ 5,50 \$ 7,80 \$ 0,80 \$ 6,50 \$ 0,80 \$ 5,50 \$ 5,50 \$ 10,00 \$ </td <td>347.19 NA NA S 39.86 S 39.86 S 39.86 S 39.86 S 39.86 NA 140.82 NA 20.92 S 20.92 S 20.92 S 20.92 S 7.92 4 NA 106 S 1.06 S 1.06 S 1.06 S 1.08 S 1.06 S 1.08 S 1.02 S 1.02 S 1.02 S 1.02 S 1.02 S 1.02<td>\$ 004.48 N/A 3 \$ 300.48 N/A 5 \$ 159.44 \$ 159.44 \$ 20.46 \$ 160.528 N/A 3 \$
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Win 10 Pro 64
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64GB (2x3208) DDK 2568
64GB (2x3208) DDK 2588
15.6 FHD AG LED UWVA 420 MWAN
15.6 FHD AG LED UWVA 420 MWAN IHDC alm
15.6 FHD AG LED UWVA 420 MWAN IHDC alm
15.6 FHD AG LED UWVA 220 MWAN IHDC alm
Misgrated HD 720p TM Webcam
Imagrated HD 720p TM Webcam
Misgrated HD 720p TM TC 850
2560 FCIex NMm Tice SSD
2560 FCIex NMm Tice SSD
2560 FCIex NMm Tice SSD
2560 FCIex NMm Tice SSD
2560 Webcam
Misgrated HD 720p TM Misgrated HD
Misgrated HD 720p TM Tice SSD
2560 FCIex NMm Tice S | 15 GS with 4GB GPX Card Base Proposal 15 GS with 15 GS with 15 GS only Base Proposal 15 GS only Base Proposal 15 GS only-Must Swep out 3CGB 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added and a highent display in needed 1 webcam 15 GS only-Institute added 15 GS only-Institute added 15 GS only-Institute added 15 GS 15 GS only-Institute add add Institute 15 GS 15 GS only-Institute add add Institute 15 GS 15 GS only-Institute added 15 GS 15 GS only-Institute add add Institute 1730 LTE A AND no service provider must select If Configuring the 15 GS 15 GS only-Institute added 15 GS only-Institute added 15 GS only-Institute | \$ 1,031,70 \$ 1,036,70 Priced in base configuration 2 \$ 2.09,00 Priced in base configuration 3 \$ 310,00 \$ 330,00 Priced in base configuration 5 \$ 10,00 \$ 3,00 Priced in base configuration 5 \$ 10,00 \$ 7,600 \$ 2,000 Priced in base configuration 5 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 7,600 \$ 0,300 Priced in base configuration \$ 7,500 \$ 0,500 \$ 0,500 \$ 0,500 \$ 10,000 \$ 10,000 \$<

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Win 10 Pro 64
1468 (2x403 DDR 2400
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32GB 2(x40GB) DDR 2400
32GB 2(x40GB) DDR 2406
64GB (2x32GB) DDR 266
64GB (2x32GB) DDR 266
64GB (2x32GB) DDR 266
15.6 FHD AG LED UWVA 220 sim
15.6 FHD AG LED UWVA 220 WWAN IPDC sim
15.6 FHD AG LED UWVA 42W MeXcam
15.6 FHD AG LED UWVA 42W MeXcam
15.6 FHD AG LED UWVA 42W MeXcam
15.6 FHD AG LED UWVA 4400 HPC sim
15.6 FHD AG LED UWVA 4400 HPC sim
16.6 Cho SVC Provider AHER
16.6 VAVAN
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16.7 VAVAN
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17.8 PCIR NVM TLC SSD
25.6 GB PCIR NVM TLC SSD
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25.6 DL PLWAM TLC S | 15 GS with 4GB GPX Card 15 GS with 4GB GPX Card 15 GS only 15 | \$ 1,031,70 \$ 1,036,70 Priced in base configuration 2 \$ 2,030,00 Priced in base configuration 5 \$ 150,00 \$ 330,00 Priced in base configuration 5 \$ 330,00 Priced in base configuration 5 \$ 1,000 \$ 3,00 \$ 1,000 \$ 3,00 \$ 3,00 \$ 3,00 \$ 3,00 \$ 3,00 \$ 3,00 \$ 3,00 \$ 7,600 \$ 4,00 \$ 4,00 \$ 4,00 \$ 4,00 \$ 4,00 \$ 0,50 \$ 0,00 \$ 0,00 \$ 0,00 \$ 0,00 \$ 0,00 <tr< td=""><td>§ 347.19 NA 3 S 3.28 S 3.237 S 3.237 S 3.262 NA 3 S 2.021 S 3.082 S 3.082 S 1.061 S 1.062 S 1.062 S 1.062 S 1.062 S 1.072 S 1.062 S 1.052 S <</td><td>S004.48NA30.44NA30.48S50.52NA30.48S60.52NA30.48S60.78S11.68S30.76S20.16NA20.16NA20.16S60.78S60.78S60.78S60.78S584S7.96NA70.16NA70.16S5.94S6.93S7.94S7.94S6.94S15.96S6.95S6.95S6.96</td></tr<>

 | § 347.19 NA 3 S 3.28 S 3.237 S 3.237 S 3.262 NA 3 S 2.021 S 3.082 S 3.082 S 1.061 S 1.062 S 1.062 S 1.062 S 1.062 S 1.072 S 1.062 S 1.052 S < | S004.48NA30.44NA30.48S50.52NA30.48S60.52NA30.48S60.78S11.68S30.76S20.16NA20.16NA20.16S60.78S60.78S60.78S60.78S584S7.96NA70.16NA70.16S5.94S6.93S7.94S7.94S6.94S15.96S6.95S6.95S6.96 | | | | |
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3208 (2)405B) DDK 2400
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3208 (2)405B) DDK 2406
64GB (2)432GB) DDK 2686
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15.6 FHD AG LED UWVA 420 MWAN
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17.8 GHE NVMA TLC SSD
25.6 FC FIOR WMA TLC SSD
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Win 10 Pro 64
1668 (2x305) DDR 2400
32GB (2x16GB) DDR 2400
32GB (2x16GB) DDR 2400
32GB (2x16GB) DDR 2400
32GB (2x16GB) DDR 2606
15.6 PHD AG LED UWVA WA
15.6 PHD AG LED UWVA WWA
15.6 PHD AG LED UWVA W Webcam
15.6 PHD AG LED UWVA WWA
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168 CYA
168 CYA PHONE AG
260 PG LENVA THC SSD
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Base Adapter	Base Proposal	65 Watt Smart nPFC RA (FstCrg AC Adapter	Base Proposal	Priced in base configuration	N/A	N/A
Adapter	Upgrade	150 Watt Smart Slim AC Adapter	15.95	\$ 23.00	\$ 6.11	\$ 24.44
-	opgrade		MISC	<u>v</u> 20.00		2
MISC - 15G5 only	Upgrade	MISC HDD Carrier Cage	15 G5 - must select if configuring the 15 G5***	\$ 0.50	\$ 0.13	\$ 0.52
MISC - 15G5 only	Upgrade	HP Sure Recover Permanent Disable IOPT	15 G5 - must select if configuring the 15 G5***	\$ 0.74	\$ 0.20	\$ 0.80
Workstation Accessory Options	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
Optional USB Keyboard	addon option	HP USB Keyboard Purchase as needed		\$ 15.00	\$ 3.99	\$ 15.96
Optional USB Mouse	addon option	HP USB Mouse			\$ 2.66	\$ 10.64
Optional Wireless Mouse	addon option	HP Comfort Grip Wireless Mouse	Purchase as needed	\$ 18.00	\$ 4.78	\$ 19.12
Optional USB External DVDRW Drive	addon option	HP USB External DVDRW Drive	Purchase as needed	\$ 50.00	\$ 13.29	\$ 53.16
Optional Case	addon option	HP Essential Top Load Case	Purchase as needed	\$ 15.00	\$ 3.99	\$ 15.96
Optional TB Dock	addon option	HP Thunderbolt Dock 230W G2 w/ Combo Cable US	Purchase as needed	\$ 240.00	\$ 63.77	\$ 255.08
DIB (Drop in Box) Option	Additional DIB	DIB No Adobe Software	must chose if TB DockG2 w/ Combo Cable is added****	\$ 0.50	\$ 0.14	\$ 0.55
DIB (Drop in Box) Option	Additional DIB	DIB HP Thunderbolt Dock 230W G2 w/ Combo Cable US	must chose if TB DockG2 w/ Combo Cable is required for multi 4k screen display****	\$ 156.00	\$ 42.67	\$ 154.28
Display without workstation purchase	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
	23"	HP Z23n Narrow Bezel IPS Display	1920 x 1080 DVI and VGA interface	\$ 185.00	\$ 47.89	\$ 191.56
	24"	Z24i G2	1920 x 1080 DVI and VGA interface	\$ 231.00	\$ 59.80	\$ 239.20
Flat Panel Workstation Displays	27*	HP Z27n Narrow Bezel Display	1920 x 1080 DVI and VGA interface	\$ 481.00	\$ 124.52	\$ 498.07
	30"	Z32 4K UHD	2560 x 1600 DVI and VGA interface	\$ 938.00	\$ 242.82	\$ 971.28
	42.5"	Z43 UHD 4K Display	3840 x 2160 DP and HDMI interface	\$ 725.00	\$ 187.68	\$ 750.72
Flat Panel Elite Displays	24"	HP EliteDisplay E233 Monitor	1920 x 1080 DVI and VGA interface	\$ 160.00	\$ 41.42	\$ 165.68
riat Panel Elite Displays	27*	HP EliteDisplay E271i LED MNT	1920 x 1080 DVI and VGA interface	\$ 224.00	\$ 57.99	\$ 231.95
Display Services Options	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
	4year	HP 4y Nbd Adv Exchange Large Monitor SVC	For all displays excluding the z23	\$ 5.00	\$ 1.37	\$ 5.47
Display Services Options	4year	HP 4y Nbd Adv Exchange Large Monitor SVC	For Z23 and Z43 display only	\$ 59.00	\$ 16.14	\$ 64.56
	5year	HP 5y Nbd Adv Exchg X-Large Monitor SVC	For Z43 display only	\$ 75.00	\$ 20.52	\$ 82.07
Notebook Services Options	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
Notebook Services Options	5year	HP 5y Nextbusday Onsite WS Only HW Supp	used as an upgrade in place of the 4th year	\$ 60.00	\$ 16.41	\$ 64.56
Notebook Services Options	5year	HP 5y NextBusDay Onsite NB Only HW Supp	used as an upgrade in place of the 4th year	\$ 150.00	\$ 41.03	\$ 64.56
Notebook Services Options	5year	HP 5y NextBusDay Onsite/DMR NB Only SVC	used as an upgrade in place of the 4th year	\$ 300.00	\$ 82.07	\$ 64.56
Foot Notes					Rules and Exceptions	
Row 73, Column D*	Upgrade	256GB PCIe NVMe Three Laver Cell Solid State Drive	15 G5 only must replace existing harddrive.only one harddrive allowed*	The 256GB and 1TB can be confi your HP rep for validation as there		
Row 74, Column D*	Upgrade	1TB 7200RPM	16 G5 only must replace existing harddrive only one harddrive allowed*			
Row 74, Column D	Upglade	TIB 7200RPM	To GS only must replace existing hardprive.only one hardprive allowed	3/3/0 can be configured if the the	configuration allows for it. Place	o work with your HP roo for
Row 79, Column D**	Upgrade	3/3/0 Warranty	15 G5**	validation as there may be addition		
Row 80. Column D**	Upprade	1/1/0 Warranty US	15 G5**	1/1/0 can be configured if the the validation as there may be addition		
Kow so, Column D	opylade	17 Ho Wahanky 03		validation as there may be addition	an lacions that prombit this for h	appermig.
Row 97, Column D***	Upgrade	MISC HDD Carrier Cage	15 G5***	if dual hard drive is possible MISC	Sure Recover Permanente mu	st be added to configuration
Row 98, Column D***	Upgrade	HP Sure Recover Permanent Disable IOPT	15 G5***	if dual hard drive is possible MISC	Carrier Cage must be added to	o configuration
Dem 404 Column Ditt	Additional DID	DID No. Adoba Caferrar		The base DIB HP 3-button Comfo	rt Grip wireless Mouse door of	t need to be removed in and a
Row 104, Column D****	Additional DIB	DIB No Adobe Software	15 G5 only - must choose if requesting a 15 G5**** 15 G5 only -must chose if TB DockG2 w/ Combo Cable is required for multi 4k screen	to add these options. Can be adde	in onp wreless Mouse does no id in addition to.	t need to be removed in order
Row 105, Column D****	Additional DIB	DIB HP TB Dock G2 w/Combo Cable	display****	1		

Vendor	Vista SKU	HP/Mfg. Part No	Vendor PN	Part Description	Cost \$	Base Price \$	BIG DEAL PRICE
Riverside Technologies Inc	4235410	4FX05AA	RTI-F1CWOPba-217	RTI - Imaging	\$13.50	\$15.00	\$15.0
Riverside Technologies Inc	4235411	4FX06AA	RTI-F1CWOPba2-03	RTI - Asset Tags	\$4.50	\$5.00	\$5.0
Riverside Technologies Inc	4235412	4FX07AA	RTI-F1CWOPba-041	RTI - Bios Stamping	\$5.40	\$6.00	\$6.0
Riverside Technologies Inc	4235413	4FX08AA	RTI-F1PAONba-218	RTI - Onsite Warehouse Imaging	\$13.50	\$15.00	\$15.0
Riverside Technologies Inc	4235414	4FX09AA	RTI-F1PAONba-318	RTI - Onsite Asset Tagging per device	\$4.50	\$5.00	\$5.0
Riverside Technologies Inc	4235415	4FX10AA	RTI-F1PAONba-118	RTI - Onsite BIOS Stamping	\$5.40	\$6.00	\$6.0
Riverside Technologies Inc	4235416	4FX11AA	RTI-F1PAONbb-118	RTI - Onsite Initiation & Loading Image	\$93.60	\$104.00	\$104.0
Riverside Technologies Inc	4235417	4FX12AA	RTI-F1PAONbc-118	RTI - Onsite Application & Correlation	\$51.30	\$59.00	\$59.0
Riverside Technologies Inc	4235418	4FX13AA	RTI-F1PAPNbd-118	RTI - Onsite BIOS Stamping	\$51.30	\$59.00	\$59.0
ADEPT							
Vendor	Vista SKU	HP/Mfg. Part No	Vendor PN	Part Description	Cost \$	Base Price \$	BIG DEAL PRICE
Adept Consulting Services, Inc.	4235384	4FG82AA	AC-P2018001	ADPT - Installation	\$79.00	\$86.90	\$86.9
Adept Consulting Services, Inc.	4235385	4FG83AA	AC-P2018004	ADPT - Offsite Delivery & Installation	\$79.00	\$86.90	\$86.9
Adept Consulting Services, Inc.	4235386	4FG84AA	AC-P2018005	ADPT - Data Transfer	\$40.00	\$44.00	\$44.0
Adept Consulting Services, Inc.	4235387	4FG85AA	AC-P2018006	ADPT - Preparation for Shipment	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235388	4FG86AA	AC-P2018007	ADPT - Hard Drive Removal	\$4.00	\$4.40	\$4.4
Adept Consulting Services, Inc.	4235389	4FG87AA	AC-P2018008	ADPT - On-Premise Disk Wipe	\$34.00	\$37.40	\$37.4
Adept Consulting Services, Inc.	4235390	4FG88AA	AC-P2018009	ADPT - Off-Premise Disk Wipe	\$19.00	\$20.90	\$20.9
Adept Consulting Services, Inc.	4235391	4FG89AA	AC-P2018010	ADPT - Relocation within 25 Miles	\$60.00	\$66.00	\$66.0
Adept Consulting Services, Inc.	4235392	4FG90AA	AC-P2018011	ADPT - Relocation Outside 25 Miles	\$67.00	\$73.70	\$73.7
Adept Consulting Services, Inc.	4235393	4FG91AA	AC-P2018012	ADPT - Return to DGS Surplus Warehouse	\$28.00	\$30.80	\$30.8
Adept Consulting Services, Inc.	4235394	4FG98AA	AC-O2018020	ADPT - PA Onsite -ISP Onsite Dlvr & Inst	\$91.00	\$100.10	\$100.1
Adept Consulting Services, Inc.	4235395	4FG99AA	AC-O2018021	ADPT - Managed Logistics	\$28.00	\$30.80	\$30.8
Adept Consulting Services, Inc.	4235396	4FH00AA	AC-02018022	ADPT - Monitor Install Stand alone	\$34.00	\$37.40	\$37.4
Adept Consulting Services, Inc.	4235397	4FH01AA	AC-O2018023	ADPT - Second Monitor instll with system	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235398	4FH02AA	AC-02018024	ADPT - Monitor Prep for Ship	\$8.00	\$8.80	\$8.8
Adept Consulting Services, Inc.	4235399	4FH03AA	AC-O2018025	ADPT - Single Monitor Mount Installation	\$14.00	\$15.40	\$15.4
Adept Consulting Services, Inc.	4235400	4FH04AA	AC-O2018026	ADPT - Dual Monitor Mount Installation	\$24.00	\$26.40	\$26.4
Adept Consulting Services, Inc.	4235401	4FH05AA	AC-O2018027	ADPT - On-Site Asset Tagging	\$5.00	\$5.50	\$5.5
Adept Consulting Services, Inc.	4235402	4FH06AA	AC-O2018028	ADPT - On-Site Image Deployment	\$25.00	\$27.50	\$27.5
Adept Consulting Services, Inc.	4235403	4FH07AA	AC-O2018029	ADPT - Automated Onsite User Data Migrat	\$14.00	\$15.40	\$15.4
Adept Consulting Services, Inc.	4235404	4FH09AA	AC-O2018030	ADPT - Off-Site HDD Removal	\$7.00	\$7.70	\$7.7
Adept Consulting Services, Inc.	4235405	4FH10AA	AC-O2018031	ADPT - Return to DGS-Surplus (Expedited)	\$18.00	\$19.80	\$19.8
Adept Consulting Services, Inc.	4235406	4FH11AA	AC-02018032	ADPT - Hourly Technical Assistance	\$65.00	\$71.50	\$71.5



Parent Contract Number: N/A SAP/SRM Contract Number: 4400014042 Change Number: 9 Change Effective Date : 08/10/2020

Using Agency: All Using Agencies

Contract Title: Workstation Computing Devices & Monitors

Contract Period: Beginning January 05, 2019 and Ending April 04, 2021

Commodity Specialist: Raymond A. Jaime Telephone: 717-346-3827 Email: rjaime@pa.gov

CHANGE SUMMARY:

Please reference the attached updated price list which includes the following change.

- ➤ Workstation 2: Replaced ZBook 15U G5 with ZBook Firefly G7
 - Changed description of device from ZBook 15U G5 to ZBook Firefly G7
 - The overall cost is now \$1401.00 from \$1409.00
 - The lease cost is now \$372.25 from \$374.37
 - Replaced all upgrade options

Fill in the sheet with Workstations for which a Bid is being submitted. All green and yellow cells must have entries for the Bid to be acceptable.

For Base Models:

1 Models must meet all the minimum requirements specified in this section.

- 2 Fill in all yellow capability cells. If the model meets the value in the requirement column, place an "X." If the model exceeds the value in the requirements column, enter the actual value.
- 3 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for the model proposed .
- 4 Do not fill in any shaded cells.

For Options:

- 1 If the model can be upgraded to the optional capability, enter the option in the Proposed Model Option column (yellow), enter the purchase price, annual lease price, and total lease price for the option in the green cost cells.
- 2 If the model already includes the capability in the base model price, enter "Included" in the green cost cells.
- 3 If the model cannot be upgraded to the optional capability, enter "Not available" in the green cost cells.
- 4 Do not fill in any shaded cells.

For Services: 1 Fill in all green cost cells with the purchase price , annual lease price, and total lease price for each service listed...

			Proposed Model and Capability	Purchase Cost Annual Lease Cost To	Total Lease Cost	
Appendix C- Workstation 1 Requirements		Requirements for workstaton 1				
			HP Z2 TWR G4 WKS	\$ 1,432.20	\$ 374.41	\$ 1,497.54
Chassis	Form Factor	Desktop-MiniTower	Tower	-		
	Maximum Size	15.7x6.7x17.4	14 x 6.7 x 17.1 in			
Processor	Processor Brand	Intel	Intel	ŧ.		
	Minimum Processor Class Minimum Base Processor	Core i7	Core i7	-		
	Speed	3.4 GHz	Intel® CoreTM i7-8700 3.2 2666 6C CPU	-		
	Minimum Memory Size		16GB (2x8GB) DDR4 2666 DIMM NECC Memory			
Memory and Storage	Minimum Hard Drive Capacity	500GB or better	512GB 2.5in SATA Solid State Drive	7		
	Optical Drive Type	DVD+/-RW	9.5mm DVD-Writer 1st ODD	-		
	Minimum Optical Drive Speed	16X	16X	-		
	Keyboard	USB Multimedia	USB Business Slim Wired Keyboard US	-		
Input Devices	Mouse	Full sized, laser USB 5 button min. including two buttons on sid	HP Part # A892952 - Mnftr Part # 4FD-00025 - MICROSOFT HARDWARE Microsoft Comfort Mouse 4500 - BlueTrack - Cable - USB - 1000 dpi - Tilt Wheel - 5 Button(s) – Symmetrical			
	Minimum total USB Ports	8 (2 Front Mount)	Figure 1: headphone-binicrophone combo; 2:USB 3.0 (1 charging); 1 USB 3.1 Gon 2:PypeCT*9 Rear: 1: audio:n; 1: BUH: single link; 1: RJ-45; 2: Digila/Picrit*1: 2::USB 2:0, e1USB 3.014 Hermai: 1:USB 3:0; 2:USB 2:0 (1:USB 3:0) and 2:USB 2:0; 2:USB 2:0; e1USB 2:0;	-		
		4 (2 Front Mount)	9 frant - 6 hank			
	Minimum USB 3.0 Ports		3 front - 6 back	-		
	VGA Port	none	none	-		
vo	DVI Port	1	1 DVI-I single link	-		
	DP Port	2	2 DisplayPort™ 1.2	-		
	RJ-45 Port	1	1 RJ-45			
	Audio In/Out Ports	1/1	Conexant CX20632-31Z, 1.5W internal mono speaker	7		
	Mic	1	1 headphone/microphone combo Integrated Intel® I219-LM PCIe® GbE; Intel® I350-T2 dual-port GbE	-		
	LAN	1 GB NIC	NIC	-		
	Speakers	Internal	Rear: 1 audio-in; 1 audio-out; 1			
	Operating System	Windows 10 Professional 64-bit	Microsoft Windows 10 Professional Edition 64bit OS	-		
	Video/Graphics Card	2 GB NVIDIA Quadro K2000 (2DP and 1DVI-I) (2DP-DVI and 1DVI-VGA adapter)	NVIDIA Quadro K620 2GB DL-DVI(I)+DP+DP 1st No cables included Graphics - added 2DP-DVI and 1DVI-VGA adapters	-		
	Chipset	Intel® 8 Series (C226)	Intel® C246	-		
	Management	Intel vPro Technology Enabled	ves	-		
	Certification	Independent Software Vendor certified (ISV)	Yes	+		
Other	Sound Card	Integrated	Integrated	-		
	Documentation	Diagnostics and Drivers DVD	Drivers can be found on HP.com	-		
	EPEAT Silver	Meet or exceed	Yes - EPEAT Gold registered in the U.S.	+		
	Energy Star	Meet or exceed	Yes - HP ENERGY STAR Qualified Configuration			
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
	Service	On-site service, 12 business-hour fix	HP Care Pack:U1G56E 9x5 4-Hour Response On-Site Coverage (with or without Disk Retention available), 4 Yrs [use Disk Retention Care Pack], and account management services	-		
	Flat Panel Display	External	Yes	-		
	Minim Size	23 inch	HP EliteDisplay E233 Monitor and services U0J12E			
	Minimum Resolution	1920 x 1080	1920 x 1080			
Display			Tilt Range –5° to + 23° vertical Swivel Range 45°L to 45°R Display height adjustment:			
	Titlt Capability	Yes	adjustment: Adjustment Range: 150 mm Pivot Rotation Yes. 90° clockwise and counter-clockwise	+		
	VGA Interface	1 minimum	(1) VGA 1.8 m (5.9 ft) cable included			
	USB		3 USB 3.0 (one upstream, two downstream) : (1) USB B to A cable 1,8 m (5.9 ft)			
	PORTS		(1) DisplayPort™ 1.2 DP cable included : HDMI (1) HDMI 1.4 VGA (1) VGA HDCP support Yes, HDMI and DisplayPort™			
Options Workstation 1	Option Type	Proposed Model Option	Rules	Purchase Upgrade Cost from Base Proposal	Annual Lease Cost	Total Lease Cost
Base Operating System	Base Proposal	Win 10 Pro 64	Base Proposal	Priced in base configuration		
Processor	Upgrade	Intel Xeon E-2176G 6C	optional upgrade	\$ 111.00	\$ 29.37	\$ 117.46
Processor	Upgrade	Intel Core i7- 8700k 6C 95W	optional upgrade	\$ 84.00	\$ 22.22	\$ 88.89
Base Operating System	Base Proposal	Win 10 Pro 64	Base Proposal	Priced in base configuration		
Operating System	Upgrade	Win 10 Pro 64 WKST Plus	Option depends on processor selected	Priced in base configuration \$ 99.00	\$ 26.19	\$ 104.76
Base Operating System Load	Base Proposal	Operating System Load to SATA	Base Proposal			
				Priced in base configuration		

Operating System Load	Upgrade	Operating System Load to M.2	Option depends on harddrive type selected	no additional cost	n/a	n/a
Base Memory	Base Proposal		Base Proposal			
Memory	Upgrade	16GB (2x8GB) DDR4 2666 NECC	must remove 16GB memory and replace with 32GB	Priced in base configuration		
Memory	Upgrade	32GB (2x16GB) nECC DDR4-2133 nECC Unbuffered RAM	must remove 16GB memory and replace with 32GB	\$ 112.00	<u>\$ 29.63</u>	\$ 118.52
Memory	Upgrade	32GB (2x16GB) DDR4 2666 NECC	must remove 32GB memory and replace with 64GB	\$ 138.00	\$ 36.51	\$ 146.03
Memory	Upgrade	64GB (4x16GB) DDR4 2666 NECC	must remove 32GB memory and replace with 64GB	\$ 768.00	\$ 203.17	\$ 812.70
Base Harddrive	Base Proposal	64GB (4x16GB) DDR4 2666 DIMM ECC UNB	Base Proposal	\$ 958.00	\$ 253.44	\$ 1,013.76
Harddrive	Upgrade	512GB 2.5 SATA SSD TC	must remove existing harddrive,only one harddrive allowed	Priced in base configuration		
Harddrive	Upgrade	Z Turbo Drive 512GB 2280 TLC SSD	must remove existing harddrive,only one harddrive allowed	\$ 130.00	\$ 34.39	\$ 137.57
Harddrive		1TB 7200 SATA 3.5in WKS		no additional cost	n/a	n/a
	Upgrade	1TB 7200 SATA 3.5in 2ndWKS	2nd HDD only available if 1TB (1st hard drive) is selected*	no additional cost	n/a	n/a
Harddrive	Upgrade	Z Turbo Drive 1TB 2280 TLC SSD	must remove existing harddrive,only one harddrive allowed	\$ 165.00	\$ 43.65	\$ 174.60
Harddrive	Upgrade	Z Turbo Drive 1TB 2280 TLC 2nd SSD	2nd HDD only available if 1TB Z Turbo (1st hard drive) is selected*	\$ 165.00	\$ 43.65	\$ 174.60
Harddrive	Upgrade	1TB 2.5in SATA SSD	must remove existing harddrive,only one harddrive allowed	\$ 165.00	\$ 43.65	\$ 174.60
Harddrive	Upgrade	2TB 7200 SATA 3.5in 2nd	2nd HDD only available if 1TB Z Turbo (1st hard drive) is selected*	\$ 30.00	\$ 7.94	\$ 31.75
Base Graphics Card	Base Proposal	Nvd Qdr 2GB P620 (4)mDP Graphics	Base Proposal	Priced in base configuration		
Graphics Card	Upgrade	Nvd Qdr 5GB P2000 (4)DP Graphics	must remove existing Graphics Card,only one card allowed	\$ 106.00	\$ 28.04	\$ 112.17
Graphics Card	Upgrade	Nvd Qdr 8GB P4000 (4)DP Graphics	must remove existing Graphics Card,only one card allowed	\$ 524.00	\$ 138.62	\$ 554.50
Graphics Card	Upgrade	Nvd Qdr 16GB P5000 (4)DP+DVID Graphics	must remove existing Graphics Card,only one card allowed	\$ 1.389.00	\$ 367.46	\$ 1.469.84
	1	F	MISC			
MISC	Upgrade	HP Serial Port Adapter	optional upgrade	\$ 5.00	\$ 1.32	\$ 5.29
MISC	Upgrade	Single Port eSATA Adapter	optional upgrade	\$ 2.00	\$ 0.53	\$ 2.12
Workstation Accessory Options	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost	Total Lease Cost
Optional USB Keyboard	addon option	HP USB Keyboard	Purchase as needed	\$ 15.00	\$ 3.97	\$ 15.87
Optional USB Mouse	addon option	HP USB Mouse	Purchase as needed	\$ 10.00	\$ 2.65	\$ 10.58
Optional Wireless Mouse						
1	addon option	HP Comfort Grip Wireless Mouse	Purchase as needed	\$ 18.00	\$ 4.76	\$ 19.05
Display without workstation purchase	addon option Option Type	HP Comfort Grip Wireless Mouse Proposed Model Option	Purchase as needed Rules	\$ 18.00 Purchase Cost	\$ 4.76 Annual Lease Cost	\$ 19.05 Total Lease Cost
Display without workstation purchase				Purchase Cost	Annual Lease Cost	Total Lease Cost
Display without workstation purchase	Option Type	Proposed Model Option	Rules	Purchase Cost	Annual Lease Cost S 47.89	Total Lease Cost
Display without workstation purchase	Option Type	Proposed Model Option HP Z23n Narrow Bezel IPS Display	Rules 1920 x 1080 DVI and VGA interface	Purchase Cost \$ 185.00 \$ 231.00	Annual Lease Cost \$ 47.89 \$ 59.80	Total Lease Cost \$ 191.56 \$ 239.20
	Option Type 23* 24*	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface	Purchase Cost \$ 185.00 \$ 231.00 \$ 481.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52	S 191.56 S 239.20 S 498.07
	Option Type 23* 24* 27*	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel Display	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface	Purchase Cost \$ 185.00 \$ 231.00 \$ 481.00 \$ 938.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52 \$ 242.82	S 191.56 S 239.20 S 498.07 S 971.28
Flat Panel Workstation Displays	Option Type 23* 24* 27* 30*	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel Display Z32 4K UHD	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface	Purchase Cost \$ 185.00 \$ 231.00 \$ 481.00 \$ 938.00 \$ 725.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52 \$ 242.82 \$ 187.68	S 191.56 \$ 239.20 \$ 498.07 \$ 971.28 \$ 750.72
	Option Type 23* 24* 27* 30* 42.5*	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel Display Z52 4K UHD Z43 UHD 4K Display	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 3840 x 2160 DPI and HDMI interface	Purchase Cost \$ 185.00 \$ 231.00 \$ 481.00 \$ 938.00 \$ 725.00 \$ 160.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52 \$ 242.82 \$ 187.68 \$ 41.42	S 191.56 \$ 239.20 \$ 498.07 \$ 971.28 \$ 750.72 \$ 165.68
Flat Panel Workstation Displays	Option Type 23* 24* 27* 30* 42.5*	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel Display Z32 4K UHD Z43 UHD 4K Display HP EliteDisplay E233 Monitor	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 3840 x 2160 DP and HDMI interface 1920 x 1080 DVI and VGA interface	Purchase Cost \$ 185.00 \$ 231.00 \$ 481.00 \$ 938.00 \$ 725.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52 \$ 242.82 \$ 187.68	S 191.56 \$ 239.20 \$ 498.07 \$ 971.28 \$ 750.72
Flat Panel Workstation Displays	Option Type 23* 24* 27* 30* 42.5* 24* 27* Option Type	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel Display Z32 4K UHD Z43 UHD 4K Display HP EliteDisplay E233 Monitor HP EliteDisplay E233 Monitor HP EliteDisplay E271 LED MNT Proposed Model Option	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 3840 x 2160 DP and HDMI interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface	Purchase Cost \$ 185.00 \$ 231.00 \$ 481.00 \$ 938.00 \$ 725.00 \$ 160.00 \$ 224.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52 \$ 242.82 \$ 242.82 \$ 187.68 \$ 41.42 \$ 57.99 Annual Lease Cost	Total Lease Cost \$ 191.56 \$ 239.20 \$ 498.07 \$ 971.28 \$ 750.72 \$ 165.68 \$ 231.95 Total Lease Cost
Flat Panel Workstation Displays	Option Type 23* 24* 27* 30* 42.5* 24* 27* Option Type 4year	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel IPS Display Z32 4K UHD Z33 UHD 4K Display Z43 UHD 4K Display HP EliteDisplay E233 Monitor HP EliteDisplay E233 Monitor HP EliteDisplay E271 i LED MNT Proposed Model Option HP 4y Nbd Adv Exchange Large Monitor SVC	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 3840 x 2160 DP and HDMI interface 1920 x 1080 DVI and VGA interface Pro all displays excluding the z23	Purchase Cost \$ 185.00 \$ 231.00 \$ 481.00 \$ 938.00 \$ 725.00 \$ 160.00 \$ 224.00	Annual Lease Cost \$ 47.69 \$ 59.80 \$ 124.52 \$ 242.82 \$ 242.82 \$ 187.68 \$ 41.42 \$ 41.42 \$ 57.99 Annual Lease Cost \$ 1.37	Total Lease Cost \$ 191.56 \$ 239.20 \$ 498.07 \$ 971.28 \$ 750.72 \$ 165.68 \$ 231.95 Total Lease Cost
Flat Panel Workstation Displays Flat Panel Elite Displays Display Services Options	Option Type 23" 24" 27" 30" 42:5" 24" 27" Option Type 4year 4year	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel Display Z32 4K UHD Z43 UHD 4K Display HP EliteDisplay E233 Monitor HP EliteDisplay E233 Monitor HP EliteDisplay E271 LED MNT Proposed Model Option	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 3840 x 2160 DP and HDMI interface 1920 x 1080 DVI and VGA interface For all displays excluding the z23 For z23 and z43 display only	Purchase Cost \$ 185.00 \$ 231.00 \$ 481.00 \$ 938.00 \$ 725.00 \$ 160.00 \$ 244.00 Purchase Cost 244.00 \$ 224.00 \$ 5.00	Annual Lease Cost 5 47.89 5 59.80 5 124.52 5 242.82 5 242.82 5 187.68 5 41.42 5 41.42 5 57.99 Annual Lease Cost 5 1.37 5 1.6.14	Total Lesse Cost \$ 191.56 \$ 239.20 \$ 498.07 \$ 971.28 \$ 750.72 \$ 165.68 \$ 231.95 Total Lesse Cost \$ 0.56.81
Flat Panel Workstation Displays Flat Panel Etite Displays Display Services Options Display Services Options	Option Type 23* 24* 27* 30* 42.5* 24* 27* Option Type 4year 5year	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel Display Z32 4K UHD Z43 UHD 4K Display HP EliteDisplay E233 Monitor HP EliteDisplay E233 Monitor HP EliteDisplay E271 LED MNT Proposed Model Option HP 4y Nbd Adv Exchange Large Monitor SVC HP 4y Nbd Adv Exchange Large Monitor SVC HP 4y Nbd Adv Exchange Large Monitor SVC	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 3840 x 2160 DP and HDMI interface 1920 x 1080 DVI and VGA interface For all displays excluding the z23 For Z23 and Z43 display only For Z43 display only	Purchase Cost \$ 185.00 \$ 231.00 \$ 231.00 \$ 938.00 \$ 938.00 \$ 725.00 \$ 725.00 \$ 224.00 Purchase Cost 900 \$ 200.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 59.80 \$ 124.52 \$ 242.82 \$ 242.82 \$ 242.82 \$ 41.42 \$ 57.99 Annual Lease Cost \$ 1.37 \$ 1.6.14 \$ 20.52	Total Lease Cost \$ 191.56 \$ 239.20 \$ 498.07 \$ 971.28 \$ 750.72 \$ 165.68 \$ 231.95 Total Lease Cost \$ 5.47 \$ 5.47 \$ 6.47
Flat Panel Workstation Displays Flat Panel Elite Displays Display Services Options Display Services Options Desktop Services Options	Option Type 23" 24" 27" 30" 42:5" 24" 27" Option Type 4year 4year	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel IPS Display Z32 4K UHD Z32 4K UHD Z43 UHD 4K Display HP EliteDisplay E233 Monitor HP EliteDisplay E233 Monitor HP EliteDisplay E2711 LED MNT Proposed Model Option HP 4y Nbd Adv Exchange Large Monitor SVC HP 4y Nbd Adv Exchange Large Monitor SVC HP 5y Nbd Adv Exchange Large Monitor SVC HP 5y Nbd Adv Exchange Large Monitor SVC	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 3840 x 2160 DP and HDMI interface 1920 x 1080 DVI and VGA interface For all displays excluding the z23 For z23 and z43 display only	Purchase Cost \$ 185.00 \$ 231.00 \$ 938.00	Annual Lease Cost 5 47.89 5 59.80 5 124.52 5 242.82 5 242.82 5 187.68 5 41.42 5 41.42 5 57.99 Annual Lease Cost 5 1.37 5 1.6.14	Total Lease Cost 191.56 239.20 496.07 750.72 750.72 165.68 231.95 Total Lease Cost 5 6 5 6 750.72 5 750.72 5 750.72 5 6.68 5 6.61 6 6 6.62 8 6.63
Flat Panel Workstation Displays Flat Panel Elite Displays Display Services Options Display Services Options Desktop Services Options Desktop Services Options	Option Type 23* 24* 27* 30* 42.5* 24* 27* Option Type 4year 5year	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel Display Z32 4K UHD Z43 UHD 4K Display HP EliteDisplay E233 Monitor HP EliteDisplay E233 Monitor HP EliteDisplay E271 LED MNT Proposed Model Option HP 4y Nbd Adv Exchange Large Monitor SVC HP 4y Nbd Adv Exchange Large Monitor SVC HP 4y Nbd Adv Exchange Large Monitor SVC	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 3840 x 2160 DP and HDMI interface 1920 x 1080 DVI and VGA interface For all displays excluding the z23 For Z23 and Z43 display only For Z43 display only	Purchase Cost \$ 185.00 \$ 231.00 \$ 231.00 \$ 938.00 \$ 938.00 \$ 725.00 \$ 725.00 \$ 224.00 Purchase Cost 00 \$ 5.00 \$ 5.00 \$ 705.00 \$ 705.00 \$ 705.00 \$ 705.00 \$ 705.00 \$ 705.00 \$ 705.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52 \$ 242.82 \$ 242.82 \$ 187.66 \$ 41.42 \$ 57.99 Annual Lease Cost \$ 1.37 \$ 1.61.44 \$ 20.52 Annual Lease Cost \$ 1.61.41	Total Lease Cost 191.56 239.20 496.07 750.72 750.72 165.68 231.95 Total Lease Cost 5 6 5 6 750.72 5 750.72 5 750.72 5 6.68 5 6.61 6 6 6.62 8 6.63
Flat Panel Workstation Displays Flat Panel Elite Displays Display Services Options Display Services Options Desktop Services Options	Option Type 23* 24* 27* 30* 42.5* 24* 27* Option Type 4year 4year 5year Option Type	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel IPS Display Z32 4K UHD Z32 4K UHD Z43 UHD 4K Display HP EliteDisplay E233 Monitor HP EliteDisplay E233 Monitor HP EliteDisplay E2711 LED MNT Proposed Model Option HP 4y Nbd Adv Exchange Large Monitor SVC HP 4y Nbd Adv Exchange Large Monitor SVC HP 5y Nbd Adv Exchange Large Monitor SVC HP 5y Nbd Adv Exchange Large Monitor SVC	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 2640 x 2180 DP and HDMI interface 1920 x 1080 DVI and VGA interface For all displays excluding the z23 For Z23 and Z43 display only For Z43 display only For Z43 display only	Purchase Cost S 185.00 S 231.00 S 241.00 S 938.00 S 938.00 S 725.00 S 725.00 S 725.00 S 700.00 S 50.00 S 705.00 S 705.00 S 705.00 S 705.00 S 705.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52 \$ 242.82 \$ 187.68 \$ 41.42 \$ 57.99 Annual Lease Cost \$ 1.37 \$ 1.61.41 \$ 20.52 Annual Lease Cost \$ 1.61.41 \$ 2.052 Annual Lease Cost \$ 1.61.41 \$ 2.052 \$ 2.052 \$ 1.61.41 \$ 1	Total Lease Cost 191.66 239.20 498.07 7071.28 750.72 750.72 230.750.72 200.750.72
Flat Panel Workstation Displays Flat Panel Efite Displays Display Services Options Display Services Options Desktop Services Options Desktop Services Options	Option Type 23* 24* 27* 30* 42.5* 24* 27* Option Type 4year 4year 5year Option Type	Proposed Model Option HP Z23n Narrow Bezel IPS Display Z24i G2 HP Z27n Narrow Bezel IPS Display Z32 4K UHD Z32 4K UHD Z43 UHD 4K Display HP EliteDisplay E233 Monitor HP EliteDisplay E233 Monitor HP EliteDisplay E2711 LED MNT Proposed Model Option HP 4y Nbd Adv Exchange Large Monitor SVC HP 4y Nbd Adv Exchange Large Monitor SVC HP 5y Nbd Adv Exchange Large Monitor SVC HP 5y Nbd Adv Exchange Large Monitor SVC	Rules 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 1920 x 1080 DVI and VGA interface 2560 x 1600 DVI and VGA interface 2640 x 2180 DP and HDMI interface 1920 x 1080 DVI and VGA interface For all displays excluding the z23 For Z23 and Z43 display only For Z43 display only For Z43 display only	Purchase Cost \$ 185.00 \$ 231.00 \$ 231.00 \$ 238.00 \$ 938.00 \$ 938.00 \$ 938.00 \$ 240.00 Purchase Cost 900.00 \$ 224.00 Purchase Cost 900.00 \$ 50.00 \$ 50.00 \$ 75.00 \$ 50.00 \$ 60.00 \$ 80.00	Annual Lease Cost \$ 47.89 \$ 59.80 \$ 124.52 \$ 242.82 \$ 187.68 \$ 41.42 \$ 57.99 Annual Lease Cost \$ 1.37 \$ 1.61.41 \$ 20.52 Annual Lease Cost \$ 1.61.41 \$ 2.052 Annual Lease Cost \$ 1.61.41 \$ 2.052 \$ 2.052 \$ 1.61.41 \$ 1	Total Lease Cost \$ 191.56 \$ 239.20 \$ 496.07 \$ 971.28 \$ 971.28 \$ 750.72 \$ 165.68 \$ 231.95 Total Lease Cost 75 \$ 64.56 \$ 82.07 Total Lease Cost 3 \$ 65.65 abb for your configuration 3

			Proposed Model and Capability	Purchase Cost	Annual Lease Cost	Total Lease Cost
Appendix C- Workstation 2 Rec	quirements	Requirements for workstaton 1	Zbook Firefly 15 G7	\$ 1,401.00	\$ 372.25	\$ 1,497.48
Chassis	Form Factor	Notebook	Notebook Mobile Workstation - 15.6*			
	Maximum Size Processor Brand	15.7x6.7x17.4	14.15 x 9.19 x 0.76 in: 35.95 x 23.36 x 1.92 cm Intel			
Processor	Minimum Processor Class	Core i7	Core i7	-		
	Minimum Base Processor Speed	3.4 GHz	HP IDS DSC I7-10610U 15 G7 BNBPC			
	Minimum Memory Size Minimum Hard Drive	16GB 500GB or better	16GB (2x8GB) DDR4 2666	-		
Memory and Storage	Capacity Optical Drive Type	DVD+/-RW	512GB PCIe NVMe TLC SSD External DVD/RW (Sold Seperately)			
	Minimum Optical Drive Speed	16X	External DVD/RW (Sold Seperately)	-		
Input Devices	Kevboard Mouse	USB Multimedia Full sized, laser USB 5 button min. including two buttons on side.	Dual Point SR Premium Kevboard	+		
	Minimum total USB Ports	a secon secon second second minimum managing the balance on and.	HP Comfort Grip Wireless Mouse Left - 1 USB 3.1 Gen 1: 1 USB 3.1 Gen 1 (charaina)	-		
	Minimum USB 3.0 Ports	4	Right:- 2 USB Type-C™ (Thunderbolt™ 3)	-		
	VGA Port	none	none	-		
	DVI Port	1	none	-		
vo	DP Port RJ-45 Port	2	none ves	-		
			Audio by Bang & Olufsen, dual stereo speakers, HP World Facing Microphone dual array digital microphone, functions keys for volume			
	Audio In/Out Ports	1/1	Microphone dual array digital microphone, functions keys for volume up and down. combo microphone/headohone	-		
	Mic	1	jack, HD audio	-		
	LAN Speakers	1 GB NIC	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, vPro Inteorated stereo speakers			
	Operating System	Windows 7 Professional SP1, 64-bit	Microsoft Windows 10 Professional 64 US			
	Video/Graphics Card	1 GB NVIDIA Quadro K2000 (2DP and 1DVI-I) (2DP-DVI and 1DVI-VGA adapter)	NVIDIA® Quadro® P520 (4 GB GDDR5 dedicated Intel® Kaby Lake – R Chipset integrated with 8th Generation	T		
	Chipset	Intel® 8 Series (C226)	processor			
	Management Certification	Intel vPro Technology Enabled Indecendent Software Vendor certified (ISV)	Core i7 vPro sz3 G10 Label Yes			
Other	Sound Card	Integrated	Integrated	+		
	Documentation	Diagnostics and Drivers DVD	DVD can be found on hp.com	-		
	EPEAT Silver Energy Star	Meet or exceed	Yes - EPEAT® Yes - US ENERGY STAR ®	1		
	Warranty	Four (4) year	Yes (standard 3/3/3 Warranty + 4 year Care Pack)			
	Service	On-site service, 12 business-hour fix	HP 4y NextBusDay Onsite/DMR NB Only SVC	+		
	Flat Panel Display	External	sold seperately	+		
	Minim Size	23 inch 1920 x 1080	no	-		
Display Minimum Resolution	1520 x 1060					
	Titlt Capability	Yes	no			
	Titlt Capability VGA Interface	Yes 1 minimum	no	-		
Options Workstation 2	VGA Interface DVI Interface	Yes 1 minimum 1 minimum Processed Model Option	no no no Rules	Purchase Upgrade Cost from Base	Annual Lease Cost	Total Lease Cost
Options Workstation 2 Base Memory	VGA Interface	Yes I minimum I minimum Proposed Model Option 1608 (2x808) DDR4 2666	no no no no no no Rules Base Proposal	Purchase Upgrade Cost from Base Proposal Priced in base configuration	Annual Lease Cost	Total Lease Cost
Base Memory 32 GB upgrade	VGA Interface DVI Interface Option Type Base Proposal Upgrade	Proposed Model Option 16GB (2x8GB) DDR4 2666 32GB (2x16GB) DDR4 2666	Base Proposal	Proposal		
Base Memory 32 GB upgrade Base Display	VGA Interface DVI Interface Option Type Base Proposal Upgrade Base Proposal	Proposed Model Option 1608 (2x808) DDR4 2566 3208 (2x1608) DDR4 2566 15.6 inch FHD (1920x1080) Anti-Glare LED UWVA 250 bent	Base Proposal replace 16GB Base Proposal	Proposal Priced in base configuration \$ 220.00 Priced in base configuration		
Base Memory 32 GB upgrade	VGA Interface DVI Interface Option Type Base Proposal Upgrade	Proposed Model Option 16GB (2x8GB) DDR4 2666 32GB (2x16GB) DDR4 2666	Base Proposal redace 1638 Base Proposal remove current disclav	Proposal Priced in base configuration \$ 220.00 Priced in base configuration \$ 3.00	N/A	N/A
Base Memory 32 GB upgrade Base Display Add Webcam Only	VGA Interface DVI Interface Option Type Base Proposal Upgrade Upgrade Upgrade	Proposed Model Option 16GB (2x80B) DDR4 2666 23GB (2x16GB) DDR4 2666 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA 250 bent 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HO Webcam bent	Base Proposal replace 16GB Base Proposal	Proposal Priced in base configuration \$ 220.00 Priced in base configuration	N/A	N/A
23 CB upgrade 23 CB upgrade Base Display Add Webcam Only Add Webcam and WWAN Add WWAN Only Base Webcam	VGA Interface DVI Interface Option Type Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade Upgrade	Proposed Model Option 16GB (2x8GB) DDR4 2556 32GB (2x16GB) DDR4 2556 15.6 inch FHD (1920x1980) Anti-Glare LED UWVA 250 tent 15.6 inch FHD (1920x1980) Anti-Glare LED UWVA 250 tor HD Webcam bent 15.6 inch FHD (1920x1980) Anti-Glare LED UWVA 250 for WWAN for HD Webcam bent	Base Proposal replace 1508 Base Proposal emove current display remove current display	Proposal Priced in base configuration \$ 220.00 Priced in base configuration \$ 3.00 \$ 3.00 \$ 11.00	N/A	N/A
Base Memory 32 GB upgrade Base Display Add Webcam Only Add Webcam and WWAN Add WWAN Only Base Webcam Add Webcam	VGA Interface DVI Interface Option Type Base Proposal Upgrade	Proposed Model Option 16GB (2x80B) DDR4 2566 32GB (2x60B) DDR4 2566 15.6 Inch FHD (1920x1980) Anti-Glare LED UWVA 250 bent 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam bent 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 5x1 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN bent 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA Bent 15.6 Inch FH	Base Proposal redace 1668 Base Proposal remore current disclaw emove current disclaw emove current disclaw Base Proposal redace current webcan cotions	Proposal Priced in base configuration \$ 220.00 Priced in base configuration \$ 3.00 \$ 11.00 \$ 11.00 \$ 11.00 \$ 3.50	N/A N/A N/A	NA NA
23 CB upgrade 23 CB upgrade Base Display Add Webcam Only Add Webcam and WWAN Add WWAN Only Base Webcam	VGA Interface DVI Interface Option Type Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Base Proposal	Proposed Model Option 160B (2x50B) DDR4 2566 32GB (2x40GB) DDR4 2566 15.6 linch FHD (1920x1080) Anti-Glare LED UWVA 250 bent 15.6 linch FHD (1920x1080) Anti-Glare LED UWVA 250 tor HD Webcam bent 15.6 linch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam bent 15.6 linch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam bent 16.6 linch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN bent No Webcam Integrated HD 7200 DaslAndric Webcam MSC No Filingerprint Sensor	Base Proposal redace 1658 Base Proposal remore current disclav emove current disclav Base Proposal redace current veloan cotions Base Proposal Base Proposal	Proposal Priced in base configuration \$ 220.00 Priced in base configuration \$ 3.00 \$ 11.00 \$ 11.00 Priced in base configuration	N/A N/A	N/A N/A
Base Memory 32 GB upgrade Base Display Add Webcam Only Add Webcam and WWAN Add WWAN Only Base Webcam Add Webcam Base Fingerprint Sensor	VGA Interface Otyl Interface Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upg	Proposed Model Option 16GB (2x80B) DDR4 2566 32GB (2x60B) DDR4 2566 15.6 Inch FHD (1920x1980) Anti-Glare LED UWVA 250 bent 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA 250 for HD Webcam bent 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 5x1 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN bent 15.6 Inch FHD (1920x1080) Anti-Glare LED UWVA Bent 15.6 Inch FH	Base Proposal redace 1668 Base Proposal remore current disclaw emove current disclaw emove current disclaw Base Proposal redace current webcan cotions	Proposal Priced in base configuration \$ 220.00 Priced in base configuration \$ 3.00 \$ 11.00 \$ 11.00 Priced in base configuration \$ \$ 11.00 Priced in base configuration \$ \$ 3.50 Priced in base configuration \$	N/A N/A N/A	NA NA
Base Memory 32 GB upgrade Base Display Add Webcam Only Add Webcam Ad WWAN Add WWAN Only Base Webcam Add Webcam Base Fingerprint Sensor Base WWAN Option To add WWAN	VGA Interface Otyl Interface Option Type Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upg	Proposed Model Option 1998 (2x809) DDR 2 256 1998 (2x809) DDR 2 250 (2x809) DDR 2 1998 (2x809) D	Base Proposal replace 1508 Base Proposal emove current display. remove current display. remove current display. Remove current display. Base Proposal replace current Inserptint option Base Proposal replace current Inserptint option Base Proposal replace current wave option	Proposal Priced In base configuration \$ 220.00 Priced in base configuration \$ 3.00 \$ 11.00 \$ 11.00 Priced in base configuration \$ 3.60 Priced in base configuration \$ 5.50 Priced in base configuration \$ 5.50	NA NA NA NA	NA NA NA NA
Base Memory 32 GB upgride Base Display Add Webcam Only Add Webcam and WWAN Add WWAN Only Base Webcam Add Webcam Base Fingerprint Sensor Add Fingerprint Sensor Base WWAN Option	VGA Interface DVI Interface DVI Interface DVI Interface DVI Interface Upgrade Upgrade Upgrade Upgrade Upgrade Upgrade Base Proposal Ubgrade Base Proposal Ubgrade Base Proposal Ubgrade Upgrade Upgrade Upgrade DVI Interface DVI	Proposed Model Option 16GB (2x8GB) DDR4 2866 32GB (2x1GB) DDR4 2866 15G inch FMD (1920:1080) Anti-Glare LED UWVA 250 bent 15.6 inch FMD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webc	Base Proposal replace 1638 Base Proposal remore current disdav remore current disdav remore current disdav Base Proposal redace current vebcam option Base Proposal epiace current Incerprint option Base Proposal	Proposal Priced In base configuration \$ 220.00 Priced in base configuration \$ 11.00 \$ 11.00 Priced in base configuration \$ 3.60 Priced in base configuration \$ 3.60 Priced in base configuration \$ 5.50 Priced in base configuration \$ 6.50 \$ 0.50	N/A N/A N/A N/A N/A	NA
Base Memory 32 GB upgrade Base Display Ad Webcam Only Ad Webcam Only Add Webcam and WWAN Add Webcam Base Webcam Base Webcam Add Webcam Base Fingerprint Sensor Base Fingerprint Sensor To add WinAN Provider Option Nen adding WWAN	YGA Interface DVI Interface Option Type Base Proposal Upgrade Base Proposal Upgrade Upgrade Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Upgrad	Proposed Model Option 1608 (2x808) DDR4 2566 32G8 (2x608) DDR4 2566 15.6 Inch FND (1920x1090 AncOlare LED UWVA 250 bent 15.6 Inch FND (1920x1090) Anti-Glare LED UWVA 250 for HD Webcam bent 15.6 Inch FND (1920x1090) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 Inch FND (1920x1090) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 Inch FND (1920x1090) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 Inch FND (1920x1090) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 Inch FND (1920x1090) Anti-Glare LED UWVA 250 for WWAN bent No Webcam Integrated HD 730x DuilAndvills Webcam 16.6 Inch FND (1920x1090) Anti-Glare LED UWVA 250 for WWAN bent No Webcam Integrated FD 730x DuilAndvills Webcam No WWAN Intel Wi-F1 6 A2201 as 2.2 MU-MIMO nxP +Buetooth S WW with 2 Antennas No Sentice Provider AMER 5120B PCIe NVMe TLC SSD	Base Proposal redace 15GB Base Proposal remore current display remove current display remove current display Base Proposal replace current lesem cotions Base Proposal replace current fingerprint option Base Proposal replace current twee option Base Proposal Base Proposal	Proposal Priced In base configuration \$ 220.00 Priced in base configuration \$ 3.00 \$ 11.00 \$ 11.00 Priced in base configuration \$ 3.60 Priced in base configuration \$ 5.50 Priced in base configuration \$ 5.50	NA NA NA NA	NA NA NA NA
Base Memory 32 GB upgrade Base Display Add Webcam Only Add Webcam and WWAN Add WWAN Only Base Vebcam Base Vebcam Base Fingerprint Sensor Base WWAN Option To add WWAN Provider Option when adding WWAN Provider Option 256 SSD 1TB SSD	YGA Interface OYJ Interface OYJ Interface OYJ Interface OyJ Interface Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Upgr	Proposed Model Option 16GB (2x8GB) DDR4 2866 32GB (2x1GB) DDR4 2866 15G inch FMD (1920:1080) Anti-Glare LED UWVA 250 bent 15.6 inch FMD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 15.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FHD (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webc	Base Proposal reduce 1628 Base Proposal reduce 1628 Base Proposal remore current disclav remore current disclav Base Proposal reduce current excern disclav Base Proposal reduce current fingeprint cotion Base Proposal replace current finge Proposal replace current was option add service provider Base Proposal replace current hard dive reduce current hard dive	Proposal Priced In base configuration \$ 220.00 Priced In base configuration \$ 3.00 \$ 11.00 \$ 11.00 \$ 11.00 Priced In base configuration 5 \$ 3.50 Priced In base configuration 5 \$ 6.50 Priced In base configuration 5 \$ 0.50 Priced In base configuration 5 \$ 1.00	N/A N/A N/A N/A N/A N/A N/A N/A	ΝΑ ΝΑ ΝΑ ΝΑ ΝΑ ΝΑ
Base Memory 32 GB upgrade Base Display Add Webcam Only Add Webcam and WWAN Add WWAN Add Webcam Base Webcam Add Webcam Base Fingerprint Sensor Base Fingerprint Sensor Base WWAN Provider Option when adding WWAN Base Middrive Option 256 SSD 1TB SSD Notebook Services Options	VGA Interface DVI Interface OVI Interface Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Base Proposal Upgrade Upgrade Upgrade Base Proposal Upgrade Upgr	Proposed Model Option 1958 (2x803) DDR 2566 3X58 (2x1603) DDR 2566 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 bent 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 for WWAN for HD Webcam 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 for WWAN for HD Webcam 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 for WWAN for HD Webcam 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 for WWAN for HD Webcam 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 for WWAN for HD Webcam 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 for WWAN for HD Webcam 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 for WWAN for HD Webcam 15.6 Inch FMD (1920:1080) Anti-Glare LED UWVA 259 for WWAN bent No Webcam Integrated HD Z30 DaulAnditic Webcam MSC No Fingerprint Sensor Fongerprint Sensor Fongerprint Sensor So Groke Provider AntER 51:08 Provider AntER 51:08 Provider AntER 51:08 Provider AntER 51:08 Provider AntER 118 Pcile NVMe True Laver Cell State Drive 118 Pcile NVMe True Laver Cell State Drive	Base Proposal redace 1658 Base Proposal remore current display emove current display emove current display Base Proposal redace current vectors Base Proposal redace current fingeprint option Base Proposal redace current fingeprint option add service provider Base Proposal redace current was option add service provider Base Proposal redace current was option add service provider Base Proposal redace current hard drue	Processi Priced In base configuration \$ 220.00 Priced In base configuration \$ 3.00 \$ 11.00 \$ 11.00 \$ 11.00 Priced In base configuration 3.50 Priced In base configuration 5.50 Priced In base configuration 5 \$ 0.50 Priced In base configuration 5 \$ 1.00 \$ 1.00 \$ 1.00 \$ 1.00	N/A N/A N/A N/A N/A	NA NA NA NA NA NA NA Total Lesse Cost
Base Memory 32 GB upgrade Base Display Add Webcam Only Add Webcam and WWAN Add WWAN Only Base Webcam Add Webcam Base Fingerprint Sensor Base WWAN Option To add WWAN Provider Option Mem adding WWAN Base Inderive Option 226 SSD 11B SSD	YGA Interface OYJ Interface OYJ Interface OYJ Interface OyJ Interface Base Proposal Upgrade Upgrade Upgrade Upgrade Upgrade Base Proposal Upgrade Upgr	Proposed Model Option 1668 (2x868) DDR 4 266 156 (2x868) DDR 4 266 156 inch FHD (1920x1080) Anti-Glare LED UWVA 250 bort 156 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 156 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 156 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 156 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 156 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 156 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 156 inch FHD (1920x1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 156 UWVA 1500 DatiAndic Webcam 156 UWVA 250 for WWAN for HD Webcam 157 DatiAndic Webcam 158 Con Fingerprint Sensor 158 Garce 158 Ga	Base Proposal reduce 1628 Base Proposal reduce 1628 Base Proposal remore current disclav remore current disclav Base Proposal reduce current excern disclav Base Proposal reduce current fingeprint cotion Base Proposal replace current finge Proposal replace current was option add service provider Base Proposal replace current hard dive reduce current hard dive	Proposal Priced In base configuration \$ 220.00 Priced In base configuration \$ 3.00 \$ 11.00 \$ 11.00 \$ 11.00 Priced In base configuration 5 \$ 3.50 Priced In base configuration 5 \$ 6.50 Priced In base configuration 5 \$ 0.50 Priced In base configuration 5 \$ 1.00	N/A N/A N/A N/A N/A N/A N/A N/A	ΝΑ ΝΑ ΝΑ ΝΑ ΝΑ ΝΑ
Base Memory 32 GB upgrade Base Display Ad Webcam Only Add Webcam and WWAN Add Webcam Add Webcam Base Webcam Add Fingerprint Sensor Base Wind Part Add Fingerprint Sensor Base Wind Option To add WWAN Provider Option To add WWAN Base Harddrive Option 266 SSD 118 SSD Notebook Services Options Natebook Services Options	YGA Interface DVI Interface DVI Interface Base Proposal Ubgrade Ubgrad	Proposed Model Option 16GB (2x8GB) DDR4 2866 32GB (2x1GB) DDR4 2866 15.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 bent 15.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam 16.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN for HD Webcam No Webcam 16.6 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent No WWAN 16.6 UWF FILO 1520:1080 2000 Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent No Section Priore Databacher Webcam 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent No WWAN 16.6 UWF FILO 1520:1080 Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 16.5 inch FND (1920:1080) Anti-Glare LED UWVA 250 for WWAN bent 17.5 DENDMA Tore Lawre Cell Skilts Dine 17.5 Proposed Model Option 19.5 Y NaxEluxDay Onalle/DMR NE Ony SVC	Base Proposal metace 15GB Base Proposal remore current display emove current display move current display Base Proposal sedace current webcam cotions Base Proposal replace current fingerprint option Base Proposal replace current fingerprint option did service provider Base Proposal replace current hard drive Rules uned as an uporade in stace of the 4th year	Proposal Priced in base configuration \$ 220.00 Priced in base configuration \$ 11.00 \$ 11.00 Priced in base configuration \$ 3.00 Priced in base configuration \$ 3.00 Priced in base configuration \$ 6.50 Priced in base configuration \$ 6.50 Priced in base configuration \$ 0.50 Priced in base configuration \$ 1.00 \$ 100.00 Purchase Cost \$ 151.00	N/A	NA NA NA NA NA NA NA Solutionse Cost S 6455
Base Memory 32 GB upgrade Base Display Add Webcam Only Add Webcam And WWAN Add WwAN Only Base Webcam Add Webcam Base Fingerprint Sensor Base Wardown Base Fingerprint Sensor Base Wardwa Option To add WWAN Provider Option 266 SSD 11B SSD Notebook Services Options Notebook Services Options Optional USB Keyboard Optional USB Keyboard	YGA Interface DVI Interface DVI Interface Base Proposal Upgrade Upgrad	Proposed Model Option 1658 (2x803) DDR4 2565 3X58 (2x1603) DDR4 2565 3X58 (2x1603) DDR4 2566 15.6 Inch FM (1920x1080) Anti-Clare LED UWVA 250 bent 15.6 Inch FM (1920x1080) Anti-Clare LED UWVA 250 for WWAN for HD Webcam 15.6 Inch FM (1920x1080) Anti-Clare LED UWVA 250 for WWAN for HD Webcam 15.6 Inch FM (1920x1080) Anti-Clare LED UWVA 250 for WWAN for HD Webcam 15.6 Inch FM (1920x1080) Anti-Clare LED UWVA 250 for WWAN for HD Webcam 15.6 Inch FM (1920x1080) Anti-Clare LED UWVA 250 for WWAN for HD Webcam 15.6 Inch FM (1920x1080) Anti-Clare LED UWVA 250 for WWAN for HD Webcam 15.6 Inch FM (1920x1080) Anti-Clare LED UWVA 250 for WWAN for HD Webcam No Webcam Integrated HD 720x DualAnAfile: Webcam No Service FNG engraphin Sensor FNG engraphin Sensor No Service Provider AMER 51208 FCIe NVMe TLC 850 256GB PCIe NVME TLC 850 2	Base Proposal medice 15GB Base Proposal emote current display emove current display emove current display Base Proposal medice current level base Proposal medice current fingeprint option Base Proposal explace current base dive Base Proposal explace current hard dive Rules uned as an ucorade in stace of the 4th year Rules	Proposal Priced in base configuration \$ 220.00 Priced in base configuration \$ 3.00 \$ 11.00 \$ 11.00 Priced in base configuration 3.50 Priced in base configuration 5 \$ 5.50 Priced in base configuration 5 \$ 6.50 Priced in base configuration 5 \$ 0.50 Priced in base configuration 5 \$ 1.00 \$ 100.00 Purchase Cost 5 \$ 101.00 Purchase Cost 5	N/A N/A N/A N/A N/A N/A N/A N/A S Annual Lesse Cost S Annual Lesse Cost	NA NA NA NA NA NA Total Lease Cost S Cost Cost Cost Cost Cost Cost Cost Cost
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Vendor	Vista SKU	HP/Mfg. Part No	Vendor PN	Part Description	Cost \$	Base Price \$	BIG DEAL PRICE
Riverside Technologies Inc	4235410	4FX05AA	RTI-F1CWOPba-217	RTI - Imaging	\$13.50	\$15.00	\$15.00
Riverside Technologies Inc	4235411	4FX06AA	RTI-F1CWOPba2-03	RTI - Asset Tags	\$4.50	\$5.00	\$5.00
Riverside Technologies Inc	4235412	4FX07AA	RTI-F1CWOPba-041	RTI - Bios Stamping	\$5.40	\$6.00	\$6.00
Riverside Technologies Inc	4235413	4FX08AA	RTI-F1PAONba-218	RTI - Onsite Warehouse Imaging	\$13.50	\$15.00	\$15.00
Riverside Technologies Inc	4235414	4FX09AA	RTI-F1PAONba-318	RTI - Onsite Asset Tagging per device	\$4.50	\$5.00	\$5.00
Riverside Technologies Inc	4235415	4FX10AA	RTI-F1PAONba-118	RTI - Onsite BIOS Stamping	\$5.40	\$6.00	\$6.00
Riverside Technologies Inc	4235416	4FX11AA	RTI-F1PAONbb-118	RTI - Onsite Initiation & Loading Image	\$93.60	\$104.00	\$104.00
Riverside Technologies Inc	4235417	4FX12AA	RTI-F1PAONbc-118	RTI - Onsite Application & Correlation	\$51.30	\$59.00	\$59.00
Riverside Technologies Inc	4235418	4FX13AA	RTI-F1PAPNbd-118	RTI - Onsite BIOS Stamping	\$51.30	\$59.00	\$59.00
ADEPT							
Vendor	Vista SKU	HP/Mfg. Part No	Vendor PN	Part Description	Cost \$	Base Price \$	BIG DEAL PRICE
Adept Consulting Services, Inc.	4235384	4FG82AA	AC-P2018001	ADPT - Installation	\$79.00	\$86.90	\$86.90
Adept Consulting Services, Inc.	4235385	4FG83AA	AC-P2018004	ADPT - Offsite Delivery & Installation	\$79.00	\$86.90	\$86.90
Adept Consulting Services, Inc.	4235386	4FG84AA	AC-P2018005	ADPT - Data Transfer	\$40.00	\$44.00	\$44.00
Adept Consulting Services, Inc.	4235387	4FG85AA	AC-P2018006	ADPT - Preparation for Shipment	\$18.00	\$19.80	\$19.80
Adept Consulting Services, Inc.	4235388	4FG86AA	AC-P2018007	ADPT - Hard Drive Removal	\$4.00	\$4.40	\$4.40
Adept Consulting Services, Inc.	4235389	4FG87AA	AC-P2018008	ADPT - On-Premise Disk Wipe	\$34.00	\$37.40	\$37.40
Adept Consulting Services, Inc.	4235390	4FG88AA	AC-P2018009	ADPT - Off-Premise Disk Wipe	\$19.00	\$20.90	\$20.90
Adept Consulting Services, Inc.	4235391	4FG89AA	AC-P2018010	ADPT - Relocation within 25 Miles	\$60.00	\$66.00	\$66.00
Adept Consulting Services, Inc.	4235392	4FG90AA	AC-P2018011	ADPT - Relocation Outside 25 Miles	\$67.00	\$73.70	\$73.70
Adept Consulting Services, Inc.	4235393	4FG91AA	AC-P2018012	ADPT - Return to DGS Surplus Warehouse	\$28.00	\$30.80	\$30.80
Adept Consulting Services, Inc.	4235394	4FG98AA	AC-O2018020	ADPT - PA Onsite -ISP Onsite Dlvr & Inst	\$91.00	\$100.10	\$100.10
Adept Consulting Services, Inc.	4235395	4FG99AA	AC-02018021	ADPT - Managed Logistics	\$28.00	\$30.80	\$30.80
Adept Consulting Services, Inc.	4235396	4FH00AA	AC-02018022	ADPT - Monitor Install Stand alone	\$34.00	\$37.40	\$37.40
Adept Consulting Services, Inc.	4235397	4FH01AA	AC-02018023	ADPT - Second Monitor instll with system	\$18.00	\$19.80	\$19.80
Adept Consulting Services, Inc.	4235398	4FH02AA	AC-02018024	ADPT - Monitor Prep for Ship	\$8.00	\$8.80	\$8.80
Adept Consulting Services, Inc.	4235399	4FH03AA	AC-02018025	ADPT - Single Monitor Mount Installation	\$14.00	\$15.40	\$15.40
Adept Consulting Services, Inc.	4235400	4FH04AA	AC-02018026	ADPT - Dual Monitor Mount Installation	\$24.00	\$26.40	\$26.40
Adept Consulting Services, Inc.	4235401	4FH05AA	AC-02018027	ADPT - On-Site Asset Tagging	\$5.00	\$5.50	\$5.50
Adept Consulting Services, Inc.	4235402	4FH06AA	AC-02018028	ADPT - On-Site Image Deployment	\$25.00	\$27.50	\$27.50
Adept Consulting Services, Inc.	4235403	4FH07AA	AC-O2018029	ADPT - Automated Onsite User Data Migrat	\$14.00	\$15.40	\$15.40
Adept Consulting Services, Inc.	4235404	4FH09AA	AC-02018030	ADPT - Off-Site HDD Removal	\$7.00	\$7.70	\$7.70
Adept Consulting Services, Inc.	4235405	4FH10AA	AC-O2018031	ADPT - Return to DGS-Surplus (Expedited)	\$18.00	\$19.80	\$19.80
Adept Consulting Services, Inc.	4235406	4FH11AA	AC-02018032	ADPT - Hourly Technical Assistance	\$65.00	\$71.50	\$71.50