NCDIT
NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY

Roy Cooper
Governor

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PC Volume Purchase Master Award 400500

The 2020-2021 PC Volume Purchase has been awarded to multiple vendors (see Table 1 for Award by Segment). **Agencies may select from <u>any</u> of the listed awarded vendors within a Segment when making their purchase selection.**

Segment	Configuration	Dell		HP		Lenovo	
		Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Desktops	1.1a Standard/Basic Desktop (Intel proc)	3000072633575.1	$430.00	2Q5U5UC	$462.61	11BES08800	$434.00
	1.1b Standard/Basic Desktop (AMD proc)			38Y85UC	$457.45	11AAS07800	$431.00
	1.2a Mid-Range Desktop (Intel proc)	3000071695987.1	$575.00	2Q6J5UC	$627.56	10SUSEAK00	$577.00
	1.2b Mid-Range Desktop (AMD proc)			38Y86UC	$637.87	11AWS06E00	$639.00
	1.3a Workstation 1 (i7 proc) (4GB video)	3000063688862	$1100.00	38Y88UC	$960.42	30DLS1QG00	$1,100.00
	1.3b Workstation 1 (i7 proc) (8GB video)	3000063690690	$1,105.00	38Y89UC	$1,104.75	30DJS52N00	$1,578.00
	1.4a Workstation 2 (i9 proc) (4GB video)	3000063692190	$1230.00	38Y91UC	$1,151.11	30DLS1QF00	$1,231.00
	1.4b Workstation 2 (i9 proc) (8GB video)	3000063693191	$1285.00	38Y90UC	$1,294.44	30DJS4CK00	$1,714.00
	1.5a Micro/Tiny Desktop (Intel proc)	3000072641492.1	$385.00	2QY59UC	$504.88	10T8SGPE00	$387.00
	1.5b Micro/Tiny Desktop (AMD proc)			38Y83UC	$521.37	11A5S08J00	$387.00

Segment	Configuration	Dell		HP		Lenovo	
		Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Portables	2.1 Standard/Basic Laptop	3000063178925	$570.00	2W2A5UC	$577.30	20RBS2PY00 ** (See note on page 17 – memory)	$576.00
	2.2 High End Laptop	3000063179103	$780.00	38Y92UC	$783.16	20U4S00P00	$844.00
	2.3a Elite Laptop 1 (i7 proc) (4GB video)	3000063694663	$1,340.00	38X33UC	$1,440.79	20SUS4Y900	$1,343.00
	2.3b Elite Laptop 1 (i7 proc) (6GB video)	3000063693975	$1740.00	38W43UC	$1,881.52	20SUS5UJ00	$1,827.00
	2.4a Elite Laptop 2 (i9 proc) (4GB video)	3000065140277	$1699.00	38W47UC	$1,766.05	20SUS5UG00	$1,729.00
	2.4b Elite Laptop 2 (i9 proc) (6GB video)	3000065140504	$1990.00	38W75UC	$2,066.05	20SUS5UH00	$1,975.00
	2.5 Ultralight Laptop	3000079066294.1	$995.00	38W76UC	$1,038.13	20T3S0K000	$1,074.00
	2.6a Chromebook (64GB storage)			969786	$684.00		
	2.6b Chromebook (128GB storage)	3000051534437/1	$645.00				
2-in-1 Laptops / Tablets	3.1a 2-in-1 Laptop / Tablet (No WWAN)	3000078437798.2 (5320 Model)	$1,085.00	38T20UP	$1,205.98	20SYS01V00	$1,087.00
	3.1a Alternate 2-in-1 Laptop / Tablet (No WWAN)	3000063694127 (7210 Model)	$1429.00 (2-in-1 $1309, keyboard $100, adapter $20)				
	3.1b 2-in-1 Laptop / Tablet (AT&T)	3000078438036.2 (5320 Model)	$1150.00	38T24UP	$1,205.98	20SYS01W00	$1,149.00
	3.1b Alternate 2-in-1 Laptop / Tablet (AT&T)	3000063695808 (7210 Model)	$1479.00 (2-in-1 $1359, keyboard $100, adapter $20)				
	3.1c 2-in-1 Laptop / Tablet (Verizon)	3000078438173.2 (5320 Model)	$1150.00	38T21UP	$1,205.98	20SYS01W00	$1,149.00
	3.1c Alternate 2-in-1 Laptop / Tablet (Verizon)	3000063696035 (7210 Model)	$1479.00 (2-in-1 $1359, keyboard $100, adapter $20)				

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Tablets	4.1a High End Tablet (No WWAN) (i5 proc)	3000063696216	$1129.00	969779	$1,196.98		
	4.1b High End Tablet (AT&T) (i5 proc)	3000063697119	$1179.00	969780	$1,196.98		
	4.1c High End Tablet (Verizon) (i5 proc)	3000063697301	$1179.00	969781	$1,196.98		
	4.2a High End Tablet (No WWAN) (i7 proc)	3000063180185	$1269.00	969782	$1,290.79	20KKS5R700	$1,290.00
	4.2b High End Tablet (AT&T) (i7 proc)	3000063697622	$1,290.00	969783	$1,290.79	20KKS5R300	$1,390.00
	4.2c High End Tablet (Verizon) (i7 proc)	3000063697949	$1,290.00	969784	$1,290.79	20KKS5R300	$1,390.00
Monitors	5.1 Flat Panel Monitor, 19.5 inch to 20-inch (or larger)	3000052260592/1	$97.00	M1F41A8#ABA	$126.00	61FEMAR6US	$99.00
	5.2 Flat Panel Monitor, 24-inch	3000052260637/1	$117.00	1FH47A8#ABA	$152.63	61F7MAR1US	$135.00
	5.3 Flat Panel Monitor, 27-inch	3000052260651/1	$230.00	1FH52A8#ABA	$264.00	61EASGAR6US	$240.00
	5.4 Flat Panel Monitor, 24-inch (High Resolution)	3000070763383.1	$169.00	1JS08A8#ABA	$226.32	61F5GAR1US	$169.00
	5.5 Flat Panel Monitor, 27-inch (High Resolution, 4K)	3000058962569.1	$370.00	2TB68A8#ABA	$499.00	61DAMAR1US	$306.00
	5.6 Flat Panel Monitor, 24-inch (Multi-touch)	3000052260736/1	$220.00	W2Z50A8	$240.00	10QXPAR1US	$223.00

Lowest Unit Price

Table 1: PC Volume Award by Segment

Appendix A of this document contains detailed technical specifications for the awarded items in Table 1. Appendix B of this document contains the available accessories for awarded configurations, along with the Vendor Part Numbers and Not-To-Exceed Unit Pricing.

ORDERING INSTRUCTIONS: Agencies should follow the steps below to streamline the ordering of PCs and related peripherals and value-added services under the PC Volume Master Award. **Please note:** Requisitions **no longer** need to be sent to the Statewide IT Procurement Office prior to ordering if your orders are placed via E-Procurement. If you do not use E-Procurement, please email a copy of your request to debbie.patterson@nc.gov for tracking purposes.

1. Purchase Orders for purchases under this Volume Purchasing Award **must** be sent to the ordering addresses in table below.

Vendor	Ordering Address	Ordering Phone Number / Fax Number
Dell	One Dell Way RR8-MS-8741 Round Rock, TX 78682	Phone: 512-513-9630 Email: K_Dauskurdas@Dell.com
Applied Data Technologies (for HP Product Orders) **(All HP orders should be placed with Applied Data Technologies – HUB Vendor)**	8515 Crown Crescent Ct. Charlotte, NC 28227	Phone: 800-267-1419 Email: NCBulkBuy@AppliedDataTech.com
Lenovo	1009 Think Place Morrisville, NC 27560	Phone: 919-874-2931 Email: tmelvin@lenovo.com

2. When ordering, IT IS CRITICAL THAT YOU INCLUDE ALL OF THE REQUIRED INFORMATION NOTED BELOW ON YOUR PURCHASE ORDER:

Field	Instructions
PO Comments	Reference "NCBB Order and Master Quote 400500". (**Note:** Select 204A as Contract number on E-Procurement requisitions.)
Vendor Comments	Provide an email address and phone number of who the Vendor should contact with any questions regarding your purchase order.
Line Item Description for Desktops, Portables, and Monitors	Include Configuration Name exactly as it appears in Table 1 (e.g., 1.1a Standard/Basic Desktop (Intel proc)) <u>AND</u> Vendor Part Number from Table 1. **NOTE: Agencies may order any of the Monitor configurations from any of the awarded vendors.**
Line Item Description for 2-in-1 Laptop / Tablet	If you are ordering a 2-in-1 Laptop/Tablet without wireless wide area network (WWAN) capability (e.g., you only require Wi-Fi and no data plan), then your line item description should include "3.1a 2-in-1 Laptop/Tablet (No WWAN)" AND the Vendor Part Number from Table 1. If you need a 2-in-1 Laptop/Tablet with WWAN capability from either AT&T or Verizon, include the appropriate configuration name AND Vendor Part Number from Table 1. Note that Dell, HP, and Lenovo have different Vendor Part Numbers for the three configuration options under the 2-in-1 Laptops / Tablets Segment. Also, for the Dell 2-in-1 Laptop/Tablet, Agencies should include 3 separate line items on their PO as noted in Table 1 (2-in-1 model, Keyboard, & Adapter). **To obtain AT&T or Verizon data service for your 2-in-2 Laptop/Tablet, you should use the 915A IT Statewide Term Contract for Cellular Services.**
Line Item Description for Tablets	If you are ordering a Tablet without wireless wide area network (WWAN) capability (e.g., you only require Wi-Fi and no data plan), then your line item description should include "4.1a High End Tablet (**i5 Proc**)(No WWAN)" or "4.2a High End Tablet (**i7 Proc**)(No WWAN)" AND the Vendor Part Number from Table 1. If you need a Tablet with WWAN capability from either AT&T or Verizon, include the appropriate configuration name AND Vendor Part Number from Table 1. Note that Dell, HP, and Lenovo have different Vendor Part Numbers for the three configuration options under the Tablets Segment. Also, for the Dell High End Tablet, Agencies should include 2 separate line items on their PO as noted in Table 1 (High End Tablet model & Adapter). **To obtain AT&T or Verizon data service for your Tablet, you should use the 915A IT Statewide Term Contract for Cellular Services.**
Line Item Description for Accessories	Appendix B of this document contains a listing of the Accessories that are available for Vendors' awarded configurations. Be sure to include in the Line Item Description the Accessory Item Description (e.g., Nylon Carrying Case) and Vendor Part Number as they appear in Appendix B of this document. **Please closely review the listed Accessory items in Appendix B to make sure you are ordering the correct Accessory for the Desktop, Portable, 2-in-1 Laptop / Tablet, or Tablet configuration and Vendor that are listed on your requisition**.
Special Instructions	Just like any other normal procurement, if you have specific delivery instructions or delivery requirements (e.g., no loading dock, inside delivery required), you must include them in the Vendor Comments on your Purchase Orders. Also, please contact the appropriate awarded vendor and notify them of any special delivery requirements. If you have multiple ship-to locations on your purchase orders, please contact the awarded vendor to ensure that the order is correctly designated in the Vendor's system. • For Dell – Contact Karen Dauskurdas at K_Dauskurdas@Dell.com or 512-513-9630 • For HP Products – Contact the NCSled Customer Service Team at NCBulkBuy@AppliedDataTech.com or 800-267-1419 • For Lenovo – Contact Tanika Melvin at tmelvin@lenovo.com or 919-874-2931

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3. **Warranty Information**: All configurations in the Desktops, Portables, 2-in-1 Laptop/Tablets, and High End Tablet Segments come standard with a 3-Year, Next Business Day On-Site with Defective Hard Drive Retention Warranty. If you wish to purchase an extended warranty, then you will need to select the applicable extended warranty option from the list of Accessories in Appendix B of this document and add it as an additional line item on your requisition. Be sure to include in the Line Item Description the Accessory Item Description (e.g., 4th Year Next Business Day, On-site w/hard drive retention warranty) and Vendor Part Number as they appear in Appendix B of this document.

    All configurations in the Monitors Segment come standard with a 3-Year, Limited Warranty. There are no upgrade or extended warranty options for monitors under this award.

4. **Operating System Information**: All Configurations ship with Windows 10 Pro 64-Bit ONLY.

5. **Resource Media:** Agencies may download Resource Media from the Vendors' websites

    - For Dell – Go to www.dell.com/support
    - For HP – Agencies can download individual drivers at www.hp.com. They can download groups of drivers using the Softpaq Program https://ftp.hp.com/pub/caps-softpaq/cmit/hp_sdm.html or the entire CD via the HP Software site.
    - For Lenovo – Go to https://support.lenovo.com/es/en/lenovorecovery

6. **Value Added Services**: If you are ordering any of the Value-Added Services such as Custom Imaging, Asset Tagging, Installation, or Managed Logistics / Staggered Delivery, then you must contact the Vendor prior to issuing your purchase order. These Value-Added Services require the Agency to provide the Vendor with additional information in advance (e.g., Agency must provide Vendor with their Pre-Certified Custom Image and / or Asset Tags). There is additional order processing time involved with the initial set-up and testing of a Custom Image and Asset Tagging. These purchases will not be delivered within 21 days after receipt of purchase order. See Table 2 for Vendor Part Numbers and Not-To-Exceed unit pricing for Value Added Services available under this award. **Additional Value-Added Services may be offered by the Vendors upon request.**

Value Added Service Option	Dell		HP		Lenovo	
	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Custom Imaging	366-0147	$15.00	ADT1001	$10.00	5TS0F86281 & 5TS0F86356 (must order both parts)	$18.80
Asset Tags	366-0141	$6.75	ADT1002	$5.00	5TS0F86285	$6.00
Installation	Use all 4 part numbers: 810-1357, 810-1351, 378-6609, 366-0318 (includes custom imaging and asset tagging)	$98.00	ADT1003	$20.00	5MS0Y97482	$64.00
Managed Logistics / Staggered Delivery	369-2102	$7.20	ADT1004	$1.00	YVASATC	TBD - Contact Vendor for Quote

Table 2: Value Added Services Vendor Part Numbers and Not-To-Exceed Unit Prices

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7. For Order Status Questions, please contact the appropriate vendor contact listed below:

- For Dell – Contact Karen Dauskurdas at K_Dauskurdas@Dell.com or 512-513-9630
- For HP Products – Contact the NCSled Customer Service Team at NCBulkBuy@AppliedDataTech.com or 800-267-1419
- For Lenovo – Contact Tanika Melvin at tmelvin@lenovo.com or 919-874-2931

Please Note: If you do not receive your order within 21 days after Vendor's receipt of purchase order, please email Debbie Patterson at debbie.patterson@nc.gov with your purchase order number and the order date.

The PC Volume Purchase Procedures are located at the following website: http://it.nc.gov/statewide-programs/it-volume-purchasing. This website is kept current, so please check back periodically for updates and changes.

Appendix A

This Appendix contains the detailed technical specifications of the awarded configurations.

1.1a Standard/Basic Desktop (Intel Proc)	Dell	HP	Lenovo
Description	Est 4 Year Lifecycle, Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc. Dual Monitor Capable		
Vendor Model Number	Optiplex 3080 SFF	ProDesk 400 G7 SFF	ThinkCentre M720e
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor	Intel(R) Core(TM) i3-10100 (4 Cores/6MB/8T/3.6GHz to 4.3GHz/65W)	Intel(R) Core(TM) i3-10100 (4 Cores/6MB/8T/3.6GHz to 4.3GHz/65W)	Intel® Core™ i3-9100 (4 Cores/6MB/4T/3.6GHz to 4.2GHz/65W)
Trusted Platform Module	Yes	TPM 2.0	Yes
Memory	8GB (1X8GB) DDR4 2666MHz, with free slots, expandable to 32.0GB	8GB (1X8GB) DDR4-2666 DIMM, with free slots, expandable to 32.0GB	8GB DDR4 2666MHz UDIMM, with free slots, expandable to 32.0GB
Video Card	Integrated Graphics	Integrated Graphics	Integrated Graphics
1st Hard Drive	M.2 256GB PCIe NVMe SSD Drive	256GB SSD M.2 2280 NVMe TLC OP	256GB SSD M.2 2280 NVMe TLC OP
PCIe Slots	2 free slots	Two (2) Free Slots	Two (2) Free Slots
USB Ports	(8) Total: 4 x 3.2 Gen1 (2 front, 2 rear) and 4 x 2.0 (2 front, 2 rear - 2 smart Power On	(9) Total : Four (4) in Front , (2x USB v2.0, 2x USB v3.2 Gen 2); Five (5) in rear (2x USB v2.0, 3x USB v3.2 Gen 1)	Front: Two USB 3.1 Gen1, microphone (3.5mm), one headphone / microphone combo jack (3.5mm) Rear: Two USB 3.1 Gen1, two USB 2.0, serial (9-pin), ethernet (RJ-45), one VGA, one DisplayPort, Line-out jack (3.5mm)
Integrated NIC	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB Wired Keyboard	Enhanced USB Keyboard
Mouse	Dell MS116 Wired Mouse, Black	HP Optical USB Mouse	USB, 2-button, Optical mouse with scroll
Audio	Realtek ALC3234 High Definition Audio Codec	2W internal speaker	Internal speaker (2 watt)
Hardware Warranty	Onsite Service After Remote Diagnosis 3 years	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT Registered Silver	EPEAT Gold	EPEAT Silver rating
Unit dimensions and weight	11.42" x 3.65" x 11.53", 11.07 lbs	10.6 x 3.7 x11.9 in; 8.6 lb	(WxDxH) 3.9"" X 11.9"" X 10.8; 9.37 lbs

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1.1b Basic Desktop (AMD Proc)	Dell	HP	Lenovo
Description	Est 4 Year Lifecycle, Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc. Dual Monitor Capable		
Vendor Model Number		HP EliteDesk 805 G6 SFF	ThinkCentre M75s
Operating System		Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor		AMD Ryzen 3 Pro 4350 (4Cores/6MB/3.8GHz up to 4.0GHz)	AMD Ryzen 3 Pro 3200 (2MB Cache, Max Boost up to 4.0GHz)
Trusted Platform Module		TPM 2.0	Yes
Memory		8.0GB DDR4-3200MHz, with 3 open slots, expandable to 32GB as configured, 128GB if memory is changed out	8GB DDR4 2666MHz UDIMM, with free slots, expandable to 32.0GB
Video Card		Integrated Graphics	Integrated Graphics
1st Hard Drive		256GB M.2 2280 PCIe nVMe TLC SSD	256GB Solid State Drive, M.2 2280, NVMe, Opal, TLC
PCIe Slots		Two (2) Free Slots	Two (2) Free Slots
USB Ports		(10) Total: Four (4) in Front , (2x USB v3.2 Gen 1, 2x USB v3.2 Gen 2); Six (6) in rear (2x USB v2.0, 3x USB v3.2 Gen 1, 1x USB Type-C v3.2 Gen 2)	Front: 2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x microphone (3.5mm), 1x headphone Rear: 2x USB 3.1 Gen1 (one support Smart Power-On), 2x USB 2.0, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA**, 2x DisplayPort**, 2x PS/2 ports (keyboard / mouse); 1x line-in (3.5mm), 1x line-out (3.5mm), 1x microphone (3.5mm)
Integrated NIC		Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
Keyboard		HP USB Wired Keyboard	Enhanced USB Keyboard
Mouse		HP Optical USB Mouse	USB, 2-button, Optical mouse with scroll
Audio		2W internal speaker	Internal speaker (2 watt)
Hardware Warranty		Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive		Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Energy Consumption		ENERGY STAR® certified	ENERGY STAR certified
Environmental		EPEAT Gold	EPEAT Silver rating
Unit dimensions and weight		3.84 x 10.63 x 11.93 in; 10.78lb	(WxDxH) 3.6"" X 11.4"" X 13.5"" ;13.2 lbs

1.2a Mid-Range Desktop (Intel Proc)	Dell	HP	Lenovo
Description	Est 6-year Lifecycle, General to Advanced Word Processing, Large Spreadsheets, Mail Viewing, PDF creation, Presentation Creation, etc. Dual Monitor Capable		
Vendor Model Number	Optiplex 3080 SFF	ProDesk 400 G7 SFF	ThinkCentre M720s
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor	Intel® Core™ i5-10500 (6 Cores/12MB/12T/3.1GHz to 4.5GHz/65W)	Intel® Core™ i5-10500 (6 Cores/12MB/12T/3.1GHz to 4.5GHz/65W)	Intel® Core™ i5-9500 (6 Cores/9MB/6T/3.0GHz to 4.4GHz/65W)
Trusted Platform Module	Yes	TPM 2.0	Yes
Memory	16GB (1x16GB) DDR4 2666MHz UDIMM Non-ECC, with free slots, expandable to 32.0GB	16GB (1x16GB) DDR4 2666 Dimm, with free slots, expandable to 32.0GB	16.0GB, DDR4 2666, with free slots, expandable to 32.0GB
Video Card	NVIDIA GeForce® GT 730, 2GB, LP (DP/DP)	AMD Radeon R7 430 2GB LP 2DP PCIe x16 GFX	AMD Radeon 520 2GB
Cables / Connectors	Not included	Not included	Not included
1st Hard Drive	M.2 512GB PCIe NVMe	512GB M.2 2280 PCIe NVMe TLC SSD	512GB Solid State Drive, M.2 2242, PCIe-NVMe, TLC
PCIe Slots	2 free slots	Two (2) Free Slots	Two (2) Free Slots
USB Ports	(8) Total: 4 x 3.2 Gen1 (2 front, 2 rear) and 4 x 2.0 (2 front, 2 rear - 2 smart Power On	(9) Total : Four (4) in Front , (2x USB v2.0, 2x USB v3.2 Gen 2); Five (5) in rear (2x USB v2.0, 3x USB v3.2 Gen 1)	Front: 2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x USB 3.1 Type-C Gen1 (15W charging), 1x microphone (3.5mm), 1x headphone / microphone combo jack (3.5mm) Rear: 4x USB 2.0, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA, 2x DisplayPort, 1x line-out (3.5mm)
Integrated NIC	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB Wired Keyboard	Enhanced USB Keyboard
Mouse	Dell MS116 Wired Mouse, Black	HP Optical USB Mouse	USB, 2-button, Optical mouse with scroll
Audio	Realtek ALC3234 High Definition Audio Codec	2W internal speaker	(HD) Audio, Realtek ALC233VB2 / internal speaker (2 watt)
Available Expansion Bays	None	Available	One (1) available
Hardware Warranty	Onsite Service After Remote Diagnosis 3 years	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT Registered Silver	EPEAT Gold	EPEAT Silver rating
Unit dimensions and weight	11.42" x 3.65" x 11.53", 11.07 lbs	10.6 x 3.7 x11.9 in; 8.6 lb	(WxDxH) 3.6"" X 11.4"" X 13.5""; 13.2 lbs

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1.2b Mid-Range Desktop (AMD Proc)	Dell	HP	Lenovo
Description	Est 6-year Lifecycle, General to Advanced Word Processing, Large Spreadsheets, Mail Viewing, PDF creation, Presentation Creation, etc. Dual Monitor Capable		
Vendor Model Number		HP EliteDesk 805 G6 SFF	ThinkCentre M75s
Operating System		Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor		AMD Ryzen 5 Pro 4650 (6Cores/8MB/3.7GHz up to 4.2GHz)	AMD Ryzen 5 Pro 3600 (3MB Cache, Max Boost up to 4.2GHz)
Trusted Platform Module		TPM 2.0	Yes
Memory		16.0GB (1x16GB) DDR4-3200MHz, with 3 open slots, expandable to 64GB as configured, 128GB if memory is changed out	16.0GB, DDR4 2666, with free slots, expandable to 32.0GB
Video Card		AMD Radeon R7 430 2GB LP 2DP PCIe x16 GFX	AMD Radeon 520 2GB
Cables / Connectors		Not included	Not included
1st Hard Drive		512GB M.2 2280 PCIe NVMe TLC SSD	512GB Solid State Drive, M.2 2280, NVMe, Opal
PCIe Slots		Two (2) Free Slots	Two (2) Free Slots
USB Ports		(10) Total: Four (4) in Front , (2x USB v3.2 Gen 1, 2x USB v3.2 Gen 2); Six (6) in rear (2x USB v2.0, 3x USB v3.2 Gen 1, 1x USB Type-C v3.2 Gen 2)	Front: 2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x microphone (3.5mm), 1x headphone Rear: 2x USB 3.1 Gen1 (one support Smart Power-On), 2x USB 2.0, 1x serial (9-pin), 1x ethernet (RJ-45), 1x VGA**, 2x DisplayPort**, 2x PS/2 ports (keyboard / mouse); 1x line-in (3.5mm), 1x line-out (3.5mm), 1x microphone (3.5mm)
Integrated NIC		Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN, REALTEK Wireless 8822CE 2x2 AC, Bluetooth Version 5.0
Keyboard		HP USB Wired Keyboard	Enhanced USB Keyboard
Mouse		HP Optical USB Mouse	USB, 2-button, Optical mouse with scroll
Audio		2W internal speaker	Internal 16-Bit Stereo
Available Expansion Bays		Available	One (1) available
Hardware Warranty		Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive		Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Energy Consumption		ENERGY STAR® certified	ENERGY STAR certified
Environmental		EPEAT Gold	EPEAT Silver rating
Unit dimensions and weight		3.84 x 10.63 x 11.93 in; 10.78lb	"(WxDxH) 3.6"" X 11.4"" X 13.5""; 13.2 lbs

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1.3 Workstation 1 (i7 Proc)	Dell	HP	Lenovo
Description	Entry-Level GIS, CAD Design, 3D Modeling, Video Editing, Multiple Virtual Machines, Software Development, Engineering Tasks, Advanced System Management, etc. Dual Monitor capable		
Vendor Model Number	Precision T3640	Z2 G5 Tower Workstation	ThinkStation P340SFF (for 4GB Video card) ThinkStation P340 Tower (for 8GB Video card)
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor	Intel Core i7-10700, 8 Core, 16MB Cache, 2.9Ghz, 4.8 Ghz Turbo w/UHD Graphics 630	Intel Core i7-10700, 8 Core, 16MB Cache, 2.9Ghz, 4.8 Ghz Turbo	Intel Core i7-10700, 8 Core, 16MB Cache, 2.9Ghz, 4.8 Ghz Turbo
Trusted Platform Module	TPM 2.0	TPM 2.0	Yes
Memory	32GB (2x16GB) 2933MHz, with free slots, expandable to 64GB	32GB (2x16GB) DDR4-2666, with free slots, expandable to 64GB	32.0GB, with free slots, Expandable to 128.0GB
Video Card	AGENCY CAN CHOOSE EITHER: NVIDIA Quadro P1000 4GB 4xMini DP Low Profile OR AMD Radeon RX 5700 XT, 8GB, 3DP, HDMI	AGENCY CAN CHOOSE EITHER: AMD Radeon Pro WX 3200 4GB LP 4mDP PCIe x16 GFX OR AMD Radeon Pro W550 8GB FH DO GFX	AGENCY CAN CHOOSE EITHER: NVIDIA Quadro P1000 4GB 4xMini DP Low Profile (for ThinkStation P340SFF) OR Nvidia Quadro RTX4000 8GB (for ThinkStation P340 Tower)
Cables / Connectors	Not Included	Not Included	Not Included
1st Hard Drive	2.5" 512GB SSD	SSD 512G M.2 2280 PCIe NVMe	512GB Solid State Drive M.2 PCIe Opal
PCIe Slots	Two (2) Free Slots	Two (2) Free Slots	Two (2) Free Slots
USB Ports	Eleven (11) Total Front: 2 x2.0 , 2 x 3.1 Internal: 1 x 3.0, Rear: 2 x 2.0, 4 x 3.1	Ten (10) Total: Four (4) in Front, (2x USB 3.2 Gen 1, 2x USB 3.2 Gen 2); Six (6) in rear (2x USB 2.0, 2x USB 3.2 Gen 1, 2x USB 3.2 Gen 2)	Front: 2x USB 3.1 Gen 1 Type A. 2x USB 3.1 Gen 2 Type A. 1x USB 3.1 Gen 1 Type-C. 1x Mic-in. 1x Combo jack Rear: 2x USB 3.1 Gen 1 Type A. 2x USB 2.0 Type-A. 1x RJ-45. 1x COM. 2x DP. 1x Audio line-out
Integrated NIC	Intel Ethernet Connection I219-LM 10/100/1000	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB Business Slim KB	Enhanced USB Keyboard
Mouse	Dell MS116 Wired Mouse	HP USB Optical Mouse	USB, 2-button, Optical mouse with scroll
Audio	Universal Audio jack	Internal Speaker	Internal 16-Bit Stereo
Expansion Bays	(3) Internal Bays	One (1) available	One (1) available
Hardware Warranty	3 Years Hardware Service with Onsite/In-Home Service After Remote Diagnosis	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Years	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Certification	ISV Certified	ISV Certified	ISV Certified

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Energy Consumption	Yes, Energy Star	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT Gold	EPEAT Gold	EPEAT Silver rating
Unit dimensions and weight	13.19" x 6.95" x 13.58", 23.37 lbs	14 X 6.7 X 15.2 IN ; starting at 15.43LBS	Height: (13.4 in). Width: (3.6 in). Depth: (9.3 in), 12.6lbs (for P340SFF), Height: (14.8 in). Width: (6.7 in). Depth: (12.4 in), 20.7lbs (for P340 Tower)

1.4 Workstation 2 (i9 Proc)	Dell	HP	Lenovo
Description	Entry-Level GIS, CAD Design, 3D Modeling, Video Editing, Multiple Virtual Machines, Software Development, Engineering Tasks, Advanced System Management, etc. Dual Monitor capable		
Vendor Model Number	Precision T3640	Z2 G5 Tower Workstation	ThinkStation P340SFF (for 4GB Video card) ThinkStation P340 Tower (for 8GB Video card)
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor	Intel Core i9-10900, 10 Core, 20MB Cache, 2.8Ghz, 5.2 Ghz Turbo	Intel Core i9-10900, 10 Core, 20MB Cache, 2.8Ghz, 5.2 Ghz Turbo	Intel Core i9-10900, 10 Core, 20MB Cache, 2.8Ghz, 5.2 Ghz Turbo
Trusted Platform Module	TPM 2.0	TPM 2.0	Yes
Memory	32GB (2x16GB) 2933MHz, with free slots, expandable to 64GB	32GB (2x16GB) DDR4-2666, with free slots, expandable to 64GB	32.0GB, with free slots, Expandable to 128.0GB
Video Card	AGENCY CAN CHOOSE EITHER: NVIDIA Quadro P1000 4GB 4xMini DP Low Profile OR AMD Radeon RX 5700 XT, 8GB, 3DP, HDMI	AGENCY CAN CHOOSE EITHER: AMD Radeon Pro WX 3200 4GB LP 4mDP PCIe x16 GFX OR AMD Radeon Pro W550 8GB FH DO GFX	AGENCY CAN CHOOSE EITHER: NVIDIA Quadro P1000 4GB 4xMini DP Low Profile (for ThinkStation P340SFF) OR Nvidia Quadro RTX4000 8GB (for ThinkStation P340 Tower)
Cables / Connectors	Not Included	Not Included	Not Included
1st Hard Drive	512GB PCIe NVMe Class 40 M.2 SSD	SSD 512G M.2 2280 PCIe NVMe	512GB Solid State Drive M.2 PCIe Opal
PCIe Slots	Two (2) Free Slots	Two (2) Free Slots	Two (2) Free Slots
USB Ports	Eleven (11) Total Front: 2 x2.0 , 2 x 3.1 Internal: 1 x 3.0, Rear: 2 x 2.0, 4 x 3.1	Ten (10) Total: Four (4) in Front, (2x USB 3.2 Gen 1, 2x USB 3.2 Gen 2); Six (6) in rear (2x USB 2.0, 2x USB 3.2 Gen 1, 2x USB 3.2 Gen 2)	Front: 2x USB 3.1 Gen 1 Type A. 2x USB 3.1 Gen 2 Type A. 1x USB 3.1 Gen 1 Type-C. 1x Mic-in. 1x Combo jack Rear: 2x USB 3.1 Gen 1 Type A. 2x USB 2.0 Type-A. 1x RJ-45. 1x COM. 2x DP. 1x Audio line-out
Integrated NIC	Intel Ethernet Connection I219-LM 10/100/1000	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB Business Slim KB	Enhanced USB Keyboard
Mouse	Dell MS116 Wired Mouse	HP USB Optical Mouse	USB, 2-button, Optical mouse with scroll
Audio	Universal Audio jack	Internal Speaker	Internal 16-Bit Stereo
Expansion Bays	(3) Internal Bays	One (1) available	One (1) available
Hardware Warranty	3 Years Hardware Service with Onsite/In-Home Service After Remote Diagnosis	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Years	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Certification	ISV Certified	ISV Certified	ISV Certified
Energy Consumption	Yes, Energy Star	ENERGY STAR® certified	ENERGY STAR certified

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Environmental	EPEAT Gold	EPEAT Gold	EPEAT Silver rating
Unit dimensions and weight	13.19" x 6.95" x 13.58", 23.37 lbs	14 X 6.7 X 15.2 IN ; starting at 15.43LBS	Height: (13.4 in). Width: (3.6 in). Depth: (9.3 in), 12.6lbs (for P340SFF), Height: (14.8 in). Width: (6.7 in). Depth: (12.4 in), 20.7lbs (for P340 Tower)

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1.5a Micro/Tiny (Intel Proc)	Dell	HP	Lenovo
Description	Compact business class PC designed for basic tasks such as Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc.		
Vendor Model Number	OptiPlex 3080 Micro	EliteDesk 800 G6 Mini	ThinkCentre M720q Tiny
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor	Intel(R) Core(TM) i3-10100T (4 Cores/6MB/8T/3.0GHz to 3.8GHz/35W)	Intel(R) Core(TM) i3-10100T (4 Cores/6MB/8T/3.0GHz to 3.8GHz/35W)	Intel Core i3-8100T Processor (3.1GHz, 6MB)
Trusted Platform Module	Yes	TPM 2.0	Yes
Memory	8GB DDR4-2666 with free slots, expandable to 32.0GB	8.0GB DDR4-3200MHz, with 1 open slots, expandable to 64GB if memory is changed out to 32GB dimms)	8.0GB, DDR4-2666 with free slots, expandable to 32.0GB
Video Card	Integrated Graphics	Integrated Graphics	Integrated Graphics
1st Hard Drive	M.2 128GB PCIe NVMe	128GB 2280 PCIe TLC SSD	128GB Solid State Drive, M.2 2242, PCIe, TLC
PCIe Slots	N/A	N/A	N/A
USB Ports	(6) Total: 4 x 3.2 (2 front/2 rear) and 2 x 2.0 (2 rear - 1 SmartPower On)	Seven (7) total: Three (3) in Front (1x USB 3.2 Gen 1, 1x USB 3.2 Gen 2, 1x USB Type-C 3.2 Gen 2); Four (4) in rear (2x USB 3.2 Gen 1, 2x USB 3.2 Gen 2)	Front: one USB 3.1 Gen1 (Always On and fast charge), one USB 3.1 Type-C Gen 1, one microphone (3.5mm), one headphone / microphone combo jack (3.5mm) Rear: 2x USB 3.1 Gen2, 2x USB 3.1 Gen1, 1x ethernet (RJ-45), 1x DisplayPort, 1x HDMI
Integrated NIC	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
Keyboard	Dell KB216 Wired Multi-Media Keyboard	HP USB Wired Keyboard	Enhanced USB Keyboard
Mouse	Dell MS116 Wired Mouse, Black	HP Optical USB Mouse	USB, 2-button, Optical mouse with scroll
Audio	Internal Speaker	2W internal speaker	Internal 16-Bit Stereo
Hardware Warranty	Onsite Service After Remote Diagnosis 3 years	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT Registered Silver	EPEAT Gold	EPEAT Gold rating
Unit dimensions and weight	7.16" x 1.42" x 7.0" /Min Weight 3.04 lbs	6.97 x 6.89 x 1.35 in ; 3.13lbs	7.05"" X 7.20"" X 1.36""; 2.91 lbs

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1.5b Micro/Tiny Desktop (AMD Proc)	Dell	HP	Lenovo
Description	Compact business class PC designed for basic tasks such as Entry-Level Word Processing, Spreadsheets, Mail viewing, PDF viewing, Presentation Viewing, etc.		
Vendor Model Number		ProDesk 405 G6 Mini	ThinkCenter M75q Tiny
Operating System		Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor		AMD Ryzen 3 Pro 3200 (4Cores/4MB/8T 3.3GHz to 2.8GHz)	AMD Ryzen 3 Pro 3200 (2MB Cache, Max Boost up to 3.8GHz)
Trusted Platform Module		TPM 2.0	Yes
Memory		8.0GB DDR4-2933MHz, with 1 open slots, expandable to 64GB if memory is changed out to 32GB dimms)	8.0GB, DDR4-2666 with free slots, expandable to 32.0GB
Video Card		Integrated Graphics	AMD Radeon Graphics, with Dual Digital Monitor Support
1st Hard Drive		128GB 2280 PCIe TLC SSD	128GB Solid State Drive, M.2 2242, NVMe, TLC
PCIe Slots		N/A	N/A
USB Ports		Seven (7) Total : Three (3) in Front (2x USB 3.2 Gen 1, 1x USB Type-C USB 3.2 Gern 2); Four (4) in rear (4x USB 3.2 Gen 1)	Front: one USB 3.1 Gen1 (Always On and fast charge), one USB 3.1 Type-C Gen 1, one microphone (3.5mm), one headphone / microphone combo jack (3.5mm) Rear: 1x USB 3.1 Gen1, 3x USB 2.0, 1x ethernet (RJ-45), 1x DisplayPort, 1x HDMI
Integrated NIC		Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN	Integrated Gigabit Ethernet (10/100/1000) Card, Wake on LAN
Keyboard		HP USB Wired Keyboard	Enhanced USB Keyboard
Mouse		HP Optical USB Mouse	USB, 2-button, Optical mouse with scroll
Audio		2W internal speaker	Internal 16-Bit Stereo
Hardware Warranty		Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive		Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Energy Consumption		ENERGY STAR® certified	ENERGY STAR certified
Environmental		EPEAT Gold	EPEAT Silver rating
Unit dimensions and weight		6.97 x 6.89 x 1.35 in ; 2.74 lbs	7.05"" X 7.20"" X 1.36"" 2.91 lb

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2.1 Standard/Basic Laptop	Dell	HP	Lenovo (Win 10 only)
Description	General Purpose Business Class Laptop		
Vendor Model Number	Latitude 3410	ProBook 440 G8	ThinkPad E14
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY
Processor	Intel i3-10110U (2.1GHz, 4MB Cache)	i3-1115G4 (up to 4.1 GHz, 6 MB cache)	Intel i3-10110U (2.1GHz, 4MB Cache)
Trusted Platform Module	TPM 2.0	TPM 2.0	TPM 2.0
Memory	8.0GB 2667MHz, with free slots, expandable to 32GB	8GB, DDR4 3200, with free slot, 2 slots expandable to 32GB with memory replacement	8GB DDR4 2666MHz SoDIMM *Note: Laptop has one memory slot. If 16GBs is needed, purchase pt# 20RBS2NG00, cost - $649.00 (ThinkPad E14, 16GB)*
Video	Intel® UMA, 15W (GT2)	Intel® UHD Graphics	Integrated Intel UHD Graphics
Video Display	14.0 Inch, FHD (1920 X 1080)	14.0, FHD (1920 x 1080. Anti-glare LED UWVA	14.0 FHD (1920x1080) IPS
Hard Drive	M.2 256GB PCIe NVMe SSD	256GB PCIe NVMe Value SSD	256GB Solid State Drive, M.2 2242, PCIe-NVMe, TLC
Fingerprint	None	None	None
USB Ports	2x USB 3.2	Four (4) total: 1x USB 3.1 Type-C Gen 2; 3x USB 3.1 Gen 1	One USB 2.0, two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort)
HDMI or DisplayPort	HDMI 1.4	1 HDMI1.4	HDMI 1.4b
Integrated NIC	Intel® I219LM 10/100/1000 Ethernet	Intel Integrated Gigabit Ethernet (10,100,1000), Wake on LAN	Integrated Gigabit Ethernet (10,100,1000), Wake on LAN
Bluetooth	Bluetooth 4.2	Bluetooth 5.0	Bluetooth 5.0
Internal Wireless Adapter	Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter+ Bluetooth 4.2	Intel Wi-Fi 6 AX201 ax 2x2 MU-MIMO nvP +Bluetooth 5 WW with 2 Antennas	Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card
Webcam	720p HD webcam	HD 720p DualAryMic Webcam	HD720p camera, fixed focus
Power	65W with 3' Cord	65W Power adapter w/ 1.0M Cord	65W AC Adapter (2pin) - US (USB Type C)
Battery	3 Cell 40Whr ExpressCharge	3 Cell 45WHr Long life battery- up to 12 hours.	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter; Max: 13hr
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT® Silver	EPEAT GOLD	EPEAT Silver
Unit dimensions and weight	12.85" x 0.72"x 8.91", 3.54 lbs	12.68 x 8.42 x 0.78 in, Starting at 3.03lbs	12.80" x 9.13" x 0.70"; Starting at 3.81 lbs

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2.2 High End Laptop	Dell	HP	Lenovo (Win 10 only)
Description	Business Class Laptop designed for increased performance and productivity		
Vendor Model Number	Latitude 3510	ProBook 450 G8	ThinkPad L15
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit
Processor	Intel i7-10510U (1.8GHz, 8MB Cache)	Intel i7-1165G7 (Up to 4.7 GHz,12 MB L3 cache, 4 cores)	Intel i7-10510U (1.8GHz, 8MB Cache)
Trusted Platform Module	TPM 2.0	TPM 2.0	TPM 2.0
Memory	16.0GB, 2667MHz, with free slots, expandable to 32.0GB	16GB, DDR4 3200, with free slot, 2 dimm slots expandable to 32GB	16GB DDR4 3200MHz SoDIMM, with free slot, expandable to 64.0GB
Video	Nvidia GeForce MX230	Intel® HD Graphics	Intel HD Graphics 620
Video Display	15.6" FHD WVA (1920x1080)	15.6, FHD (1920 x 1080. Anti-glare LED UWVA	15.6 FHD(1920x1080) IPS Non-Touch
Hard Drive	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe TLC SSD	512GB SSD, M.2, PCIe-NVMe, OPAL, TLC
Fingerprint	None	None	None
USB Ports	2x USB 3.1	Four (4) total: 1x USB 3.1 Type-C Gen 2; 3x USB 3.1 Gen 1	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 (with the function of Power Delivery and DisplayPort)
HDMI or DisplayPort	HDMI 1.4	(1) HDMI 1.4b	HDMI 1.4b
Integrated NIC	Integrated 10/100/1000 Ethernet	Integrated Gigabit Ethernet (10,100,1000), Wake on LAN)	Integrated Gigabit Ethernet (10,100,1000), Wake on LAN
Bluetooth	Bluetooth 4.2	Bluetooth 5.0	Bluetooth 5.0
Internal Wireless Adapter	Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter+ Bluetooth 4.2	Intel Wi-Fi 6 AX201 ax 2x2 MU-MIMO nvP +Bluetooth 5 WW with 2 Antennas	Intel Wireless-AC 9260 2x2 AC, Bluetooth 5.0 vPro
Webcam	720p HD webcam	HD 720p DualAryMic Webcam	HD720p camera with ThinkShutter camera privacy, fixed focus
Power	65W with 3' Cord	65W Power adapter w/ 1.0M Cord	65W AC Adapter (2pin) - US (USB Type C)
Battery	3 Cell 40Whr ExpressCharge	3 Cell 45WHr Long life battery- up to 12 hours 30 minutes	Integrated Li-ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter; Max: 12hr
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Energy Consumption	ENERGY STAR® certified	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT® Silver	EPEAT GOLD	EPEAT Silver (US only)
Unit dimensions and weight	14.23" x 0.71" x 9.76", 4.22 lbs	14.15 x 9.21 x 0.78 in, starting at 3.33lbs	14.43" x 9.84" x 0.83"; Starting at 4.437lb

2.3 Elite Laptop 1 (i7 Proc)	Dell	HP	Lenovo (Win 10 only)
Description	Mobile Workstation intended for users that have high technology requirements such as video/animation production, application development, etc.		
Vendor Model Number	Mobile Precision 7550	**2.3a:** ZBook Power G7 (Elite Laptop 1 - i7 Proc., 4GB Video) **2.3b:** ZBook Fury 15 G7 (Elite Laptop 1 - i7 Proc, 6GB Video) "	ThinkPad P15
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit
Processor	Intel® Core™ i7 processor (i7-10750H, 2.6GHZ, 12MB Cache, 6 cores)	Intel® Core™ i7 processor (i7-10750 (12MB, 6C, 2.6 up to 5.0Ghz) (ZBook Power G7 only) Intel(R) Core(TM) Intel I7-10850H (12MB, 6C, 2.7 up to 5.1Ghz) (ZBook Fury 15 G7 only)	Intel® Core™ i7 processor (i7-10750H (12MB, 6C, 2.6 up to 5.0Ghz) (for 4GB video model) Intel(R) Core(TM) Intel I7-10850H (12MB, 6C, 2.7 up to 5.1Ghz) (for 6GB video model)
Trusted Platform Module	TPM 2.0	TPM 2.0	TPM 2.0
Memory	32.0GB (2x16GB), DDR4 2933MHz, with free slots, expandable to 128 GB	32GB (1x32GB) DDR4 3200, 2 slots support up to 64GB (ZBook Power G7 only) 32GB, DDR4 2666, (1x32GB dimm), 4 SoDimm slots supports up to 128GB) (ZBook Fury 15 G7 only)	32.0GB, DDR4 2400MHz, with free slots, expandable to 128.0GB
Video	AGENCY CAN CHOOSE EITHER: NVIDIA® Quadro® T1000 (4 GB GDDR5 dedicated) OR NVIDIA Quadro RTX 3000 6GB	AGENCY CAN CHOOSE EITHER: NVIDIA® Quadro® T1000 (4 GB GDDR5 dedicated) (ZBook Power G7 only) OR NVIDIA Quadro RTX 3000 6GB (ZBook Fury 15 G7 only)	AGENCY CAN CHOOSE EITHER: NVIDIA® Quadro® T1000 (4 GB GDDR5 dedicated) OR NVIDIA Quadro RTX 3000 6GB
Video Display	15.6" FHD (1920x1080)	15.6, FHD (1920 x 1080. Anti-glare LED UWVA	15.6 FHD(1920x1080) IPS Non-Touch
Hard Drive	M.2 512GB PCIe NVMe SSD	SSD 512GB PCIe NVMe TLC	512GB Solid State Drive, M.2 2280, NVMe, Opal
USB Ports	3 x USB 3.2	Four (4) total: 3x USB 3.1 Gen 1; 1x USB Type-C with Thunderbolt 3 (for ZBook Power G7) Four (4) total: 2x USB 3.1 Gen 1; 2x USB Type-C with Thunderbolt 3 (for ZBook Fury 15 G7)	2x USB 3.2 Gen 1 (one Always On) 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery and DisplayPort™) 2x USB-C 3.2 Gen 2 / Thunderbolt 3 (support data transfer, Power Delivery and DisplayPort)
HDMI or DisplayPort	1 x HDMI 2.0, 1 x mini DP 1.4	1 HDMI 2.0 (for ZBook Power G7) One (1) HDMI 2.0; One (1) Mini-DisplayPort (for ZBook Fury 15 G7)	HDMI 2.0
Integrated NIC	Integrated Gigabit Ethernet (10,100,1000), Wake on LAN	Integrated Gigabit Ethernet (10,100,1000), Wake on LAN	N/A – Must order Ethernet dongle from Options
Bluetooth	Bluetooth 5.0	Bluetooth 5	Bluetooth 5.0

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Internal Wireless Adapter	Intel Wi-Fi 6 AX200 2x2 .11ax 160MHz + Bluetooth 5.0	Intel AX201 ax 2x2 MU-MIMO nvP +Bluetooth 5 WW with 2 Antennas	Intel Wi-Fi 6 AX201 2x2 AX, Bluetooth Version 5.0 or above, vPro
Webcam	720p HD	HD 720p DualAryMic Webcam	HD720p camera with ThinkShutter
Power	180W with 3' cord	150W Power adapter w/ 1.0M Cord (for ZBook Power G7) 200W Smart Ac Adapter with 1.0m power cord (for ZBook Fury 15 G7)	170W AC Adapter - US(2pin) – (for 4GB video card) 230W AC Adapter Slim – (for 6GB video card)
Battery	4-cell 64Wh Lithium Ion battery with ExpressCharge with 4GB Video Card 6 cell 97Wh ExpressCharge with 6GB Video Card	6 Cell 83 WHr Long life battery (for ZBook Power G7) 8Cell 94 WHr long life battery up to 16hrs (for ZBook Fury 15 G7)	Supports Rapid Charge Discrete mode: 8 hr; Hybrid mode: 13 hr
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Energy Consumption	Energy Star	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT® Silver	EPEAT GOLD	EPEAT GOLD
Unit dimensions and weight	14.17" x 0.98" x 9.53", 5.42 lbs	14.15 x 9.21 x .9 in, 4.16 lb (for ZBook Power G7) 14.06 x 9.55 x 1.02 in; Starting at 5.18 lb (for ZBook Fury 15 G7)	14.78"" x 9.93"" x 0.96-1.24""; starting at 6.05 lbs

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2.4 Elite Laptop 2 (i9 Proc)	Dell	HP	Lenovo (Win 10 only)
Description	Mobile Workstation intended for users that have high technology requirements such as video/animation production, application development, etc.		
Vendor Model Number	Precision 7550	**2.4a:** ZBook Power G7 (Elite Laptop 2 – i9 Proc., 4GB Video) **2.4b:** ZBook Fury 15 G7 (Elite Laptop 2 - I9 Proc, 6GB Video)	ThinkPad P15
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit
Processor	Intel i9-10885H (Eight Core, 2.40GHz, 5.30GHz Turbo, 16MB); Must support Virtualization	Intel i9-10885H (Eight Core, 2.40GHz, 5.30GHz Turbo, 16MB); Must support Virtualization	Intel Core i9-10980HK Processor (2.40GHz, up to 5.30GHz with Turbo Boost, 8 Cores, 16MB Cache); Must support Virtualization (for the 4GB video model) Intel i9-10885H (Eight Core, 2.40GHz, 5.30GHz Turbo, 16MB); Must support Virtualization (for the 8GB video model)
Trusted Platform Module	TPM 2.0	TPM 2.0	TPM 2.0
Memory	32.0GB, DDR4 2933MHz, with free slots, expandable to 64.0GB	32GB (1x32GB) DDR4 3200, 2 slots support up to 64GB (ZBook Power G7 only) 32GB, DDR4 2666, (1x32GB dimm), 4 SoDimm slots supports up to 128GB) (ZBook Fury 15 G7 only)	32.0GB, DDR4 2400MHz, with free slots, expandable to 128.0GB
Video	AGENCY CAN CHOOSE EITHER: NVIDIA® Quadro® T1000 (4 GB GDDR5 dedicated) OR NVIDIA Quadro RTX 3000 6GB	AGENCY CAN CHOOSE EITHER: NVIDIA® Quadro® T1000 (4 GB GDDR5 dedicated) (ZBook Power G7 only) OR NVIDIA Quadro RTX 3000 6GB (ZBook Fury 15 G7 only)	AGENCY CAN CHOOSE EITHER: NVIDIA® Quadro® T1000 (4 GB) OR NVIDIA Quadro RTX 4000 (8GB)
Video Display	15.6" FHD (1920x1080)	15.6 FHD (1920 x 1080)	15.6 FHD (1920x1080) IPS Non-Touch
Hard Drive	512GB M.2 NVMe PCIe SSD	SSD 512GB PCIe NVMe TLC	512GB Solid State Drive, M.2 2280, NVMe, Opal
USB Ports	2x USB 3.2 Gen 1 with Powershare; 2x USB 3.2 Gen 2 Thunderbolt™ 3.0 Type C	Four (4) total: 3x USB 3.1 Gen 1; 1x USB Type-C with Thunderbolt 3 (for ZBook Power G7) Four (4) total: 2x USB 3.1 Gen 1; 2x USB Type-C with Thunderbolt 3 (for ZBook Fury 15 G7)	2x USB 3.2 Gen 1 (one Always On) 1x USB-C 3.2 Gen 1 (support data transfer, Power Delivery and DisplayPort™) 2x USB-C 3.2 Gen 2 / Thunderbolt 3 (support data transfer, Power Delivery and DisplayPort)
HDMI or DisplayPort	1 x HDMI 2.0, 1 x mini DP 1.4	1 HDMI 2.0 (for ZBook Power G7)	HDMI 2.0

		One (1) HDMI 2.0; One (1) Mini-DisplayPort (for ZBook Fury 15 G7)	
Integrated NIC	Integrated Gigabit Ethernet (10,100,1000), Wake on LAN	Integrated Gigabit Ethernet (10,100,1000), Wake on LAN	N/A – Must order Ethernet dongle from Options
Bluetooth	Bluetooth 5.1	Bluetooth 5	Bluetooth 5.0
Internal Wireless Adapter	Intel Wi-Fi 6 AX201 2x2 + Bluetooth 5.1	Intel AX201 ax 2x2 MU-MIMO nvP +Bluetooth 5 WW with 2 Antennas	Intel Wi-Fi 6 AX201 2x2 AX, Bluetooth Version 5.0 or above, vPro
Webcam	720p HD	HD 720p DualAryMic Webcam	HD720p camera with ThinkShutter
Power	180W with 3' cord	150W Power adapter w/ 1.0M Cord (for ZBook Power G7) 200W Smart Ac Adapter with 1.0m power cord (for ZBook Fury 15 G7)	170W AC Adapter Slim (2pin)-US – (for 4GB video card) 230W AC Adapter Slim – (for 8GB video card)
Battery	6-cell 68Wh Lithium Ion battery with ExpressCharge with 4GB Video Card 6 cell 95Wh ExpressCharge with 6GB Video Card	6 Cell 83 WHr Long life battery (for ZBook Power G7) 8Cell 94 WHr long life battery up to 16hrs (for ZBook Fury 15 G7)	Supports Rapid Charge Discrete mode: 8 hr; Hybrid mode: 13 hr
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year	Includes 3 Year HP Carepack for Disk Retentions Service	3YR KYD
Energy Consumption	Energy Star	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT® Gold	EPEAT GOLD	EPEAT GOLD
Unit dimensions and weight	14.17" x 0.98" x 9.53", 5.42 lbs	14.15 x 9.21 x .9 in, 4.16 lb (for ZBook Power G7) 14.06 x 9.55 x 1.02 in; Starting at 5.18 lb (for ZBook Fury 15 G7)	14.78"" x 9.93"" x 0.96-1.24""; starting at 6.05 lbs

2.5 Ultralight Laptop	Dell	HP	Lenovo
Description	Business Class Laptop that is thin and lightweight for easier portability, under 3.4lbs.		
Vendor Model Number	Latitude 5420	EliteBook 830 G7	ThinkPad X13
Operating System	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit ONLY	Windows 10 Pro 64 bit
Processor	Intel i7-1165G7 (4 Core, 12M cache, base 2.8GHz)	Intel i7-10610U (1.8GHz w/Turbo, 8MB Cache)	Intel i7-10610U (1.8GHz w/Turbo, 8MB Cache)
Trusted Platform Module	TPM 2.0	TPM 2.0	TPM 2.0
Memory	16GB,1x16GB, DDR4 Non-ECC	16GB (1X16GB) DDR4 2400	16GB DDR4 3200MHz
Video	Intel® UHD Graphics 620	Intel® UHD Graphics	Intel HD Graphics
Video Display	14 in FHD (1920x1080) Touch, Anti-Glare, IPS, 300nits	13.3 in FHD (1920 x 1080) Anti-Glare UWVA Touchscreen	13.3 FHD (1920 X 1080) with Touchscreen
Hard Drive	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe Value SSD	512GB Solid State Drive, M.2 2280, PCIe-NVMe, OPAL, TLC
USB Ports	2 x USB 3.2 (one w/Powershare), 2 X Thunderbolt™ 4 with Power Delivery and DisplayPort (USB Type-C™)	Four (4) total: 2x USB 3.1 Type-C with Thunderbolt; 2x USB 3.1 Gen 1	Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP)
HDMI or DisplayPort	1 x HDMI 2.0	HDMI 1.4b	HDMI 1.4b
Integrated NIC	10/100/1000 Ethernet	N/A – Must order Ethernet dongle from Options	N/A – Must order Ethernet dongle from Options
Bluetooth	Bluetooth 5.1	Bluetooth 5.0	Bluetooth 5.0
Internal Wireless Adapter	Intel Wi-Fi 6 AX201 2x2 802.11ax 160MHz + Bluetooth 5.1	Intel Wi-Fi 6 AX201 ax 2x2 MU-MIMO nvP +Bluetooth 5 WW with 2 Antennas	Intel Wireless-AC 9560 2x2 AC, Bluetooth Version 5.0 vPro Onboard
Webcam	720p HD	HD 720p DualAryMic Webcam	HD720p camera with ThinkShutter camera privacy, fixed focus
Power	65W with 3' Cord	65W Power adapter w/ 1.0M Cord	65W AC Adapter (2pin) - US (USB Type C))
Battery	4 Cell 63Whr ExpressChargeTM Capable	3cell 50Whr Long lIfe , up to 13 hours and 45 minutes	Integrated Li-ion 48Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter Max: 17.6hr
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years	Includes 3 Year Next Business Day, On-Site	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year.	Includes 3 Year HP Carepack for Disk Retention Service	3YR KYD
Energy Consumption	Energy Star	ENERGY STAR® certified	ENERGY STAR certified
Environmental	EPEAT Gold	EPEAT GOLD	EPEAT Gold
Unit dimensions and weight	12.65" x 0.76" x 8.35", 3.03 lbs	3.01 LBS 12.12 x 8.05 x 0.75 in	12.28" x 8.55" x 0.67" 2.84 lb / 1.28 kg

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2.6 Chromebook (Intel Proc)	Dell	HP	Lenovo (Win 10 only)
Description	General Purpose Laptop using Google Chrome with most applications and data residing in the cloud		
Vendor Model Number	Latitude 5400 Chrome	Chromebook x360 14E G1	
Operating System	Google Chrome OS (with Chrome Enterprise upgrade)	Google Chrome OS (with Chrome Enterprise upgrade)	
Processor	Intel Core i3-8145U (Dual Core, 2.1GHz, 4M cache); Must support Virtualization	Intel i3-7130U (2.7 GHz w/Turbo, 3MB Smart Cache) Processor,	
Trusted Platform Module	TPM 2.0	Yes	
Memory	8 GB DDR4-2133 SDRAM	8 GB DDR4-2133 SDRAM	
Video	Intel Integrated Graphics	Intel HD 620 Graphics	
Video Display	14.0 Inch, FHD (1920 X 1080)	14" FHD (1920x1080) BrightView LED UWVA slim Touchscreen Narrow Bezel	
Hard Drive	M.2 128GB PCIe NVMe SSD	64GB eMMC/Compatible with drive encryption software	
USB Ports	3 x USB 3.1	Two (2) USB 3.1 Type C	
HDMI or DisplayPort	1 x HDMI 1.4	DIB HP USB-C to HDMI 2.0 Adapter	
Integrated NIC	10/100/1000 Ethernet	Intel Integrated Gigabit Ethernet	
Bluetooth	Bluetooth 5.0	Bluetooth 4.2	
Internal Wireless Adapter	Intel Dual Band Wireless Driver 9560 (802.11ac) 2x2 + Bluetooth 5.0	Intel 7265 ac 2x2 nvP +Bluetooth 4.2 WW with 2 Antennas	
Webcam	720p HD	720p HD	
Power	65W with 3' Cord	45W with 3" Cord	
Battery	3 Cell 51Whr ExpressCharge	3 Cell 60 WHr Long Life	
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years	Onsite Service After Remote Diagnosis 3 Years	
Keep Hard Drive	Keep Your Hard Drive, 3 Year.	Keep Your Hard Drive, 3 Year.	
Energy Consumption	Energy Star	Energy Star	
Environmental	EPEAT Silver Registered	EPEAT Silver Registered	
Unit dimensions and weight	12.7" x 0.77" x 8.5", 3.26 lbs	3.7 LBS 12.81 x 8.93 x 0.63 in	

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3.1 2-in-1 Laptop/Tablet	Dell	HP	Lenovo
Description	Device that can function in a traditional 'clam-shell' laptop configuration or as a light weight, touch screen tablet through a conversion using an integrated or detachable keyboard and mouse/trackpad		
Vendor Model Number	Latitude 5320 2-in-1	EliteBook x360 830 G7	ThinkPad X13 Yoga
Type	Win 10 Pro 64-bit	Windows 10 Pro 64Bit	Windows 10 Pro 64Bit
Processor	Intel Core i7-1185G7 (4 Core, 12M cache, base 3.0GHz, up to 4.8GHz, vPro)	Intel Core i7-10510U Processor (1.80GHz, up to 4.90GHz with Turbo Boost, 4 Cores, 8MB Cache)	Intel Core i7-10510U Processor (1.80GHz, up to 4.90GHz with Turbo Boost, 4 Cores, 8MB Cache)
Memory	16GB	16.0GB	16GB DDR4 3200MHz Onboard
Resolution	1920 x 1080	1920x1080	1920 x 1080
Video Display	13.3" FHD 2-in-1 (1920x1080) Touch, Anti-Glare, GG5 DXC, IPS, HD Camera, 300 nits, WLAN	13.3 Inch FHD BV LED UWVA	13.3 FHD(1920x1080), IPS, Anti Reflection/Anti Smudge, 300nits, Multi-touch
Storage	M.2 512GB PCIe NVMe SSD	512GB PCIe NVMe SSD	512GB Solid State Drive PCIe OPAL2.0 M.2 2280 (16GT/s)
USB Ports	2 x USB 3.2 (one with Powershare) 2 x Thunderbolt™ 4 with Power Delivery and DisplayPort (USB Type-C™)	Four (4) total: 2x USB 3.1 Type-C with Thunderbolt; 1x USB 3.1 Gen 1 (non-charging); 1x USB 3.1 Gen 1 (charging)	Two USB 3.2 Gen 1 (one Always On), one USB 3.2 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.2 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP)
HDMI or DisplayPort	1 x HDMI 2.0	One (1) HDMI 1.4b	HDMI 1.4b
Bluetooth	Bluetooth 5.1	Integrated with Bluetooth 5.0	Bluetooth Version 4.1,
Front Camera	RGB Camera & Microphone	720p HD	HD720p camera, with ThinkShutter camera privacy, fixed focus
Rear Camera	N/A	720p HD	N/A
Internal Wireless Adapter	Intel Wi-Fi 6 AX201 2x2 802.11ax 160MHz + Bluetooth 5.1	Intel Wi-Fi 6 AX201 ax 2x2 MU-MIMO nvP +Bluetooth 5 WW with 2 Antennas	Intel Wireless-AC 9560 2x2 AC, Bluetooth Version 5.0 vPro Onboard
WWAN	Intel XMM 7360 Global LTE-Advanced for AT&T, Verizon (Agency must select AT&T or Verizon model)	Intel XMM 7360 LTE-Advanced (Cat 9). Supports Verizon and AT&T cards. (Agency must select AT&T or Verizon model)	Fibocom L850-GL 4G LTE CAT9
Keyboard	Convertible with an integrated keyboard,	HP Premium Keyboard attached (rotates to be behind display for tablet mode)	6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, LED backlight
Power	65W with 3' Cord	65Watt AC adapter with 1m cord	65W AC Adapter - US(2pin)

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Battery	4 cell 63Whr ExpressCharge	3Cell 53Wh LI-on	Integrated Li-ion 50Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter Max: 12.1hr
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years	3YR Onsite	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year.	3YR KYD	3YR KYD
Unit dimensions and weight	Width: 12.04" Height: 0.67" Depth: 8.17" Weight: 2.90 lbs.	12.01 x 8.07 x 0.71 in; 2.89lb	WxDxH: 12.22" x 8.62" x 0.63"; Starting at 2.76 lb /1.25kg'

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3.1 2-in-1 Laptop/Tablet (Alternate Model)	Dell	HP	Lenovo
Description	Device that can function in a traditional 'clam-shell' laptop configuration or as a light weight, touch screen tablet through a conversion using an integrated or detachable keyboard and mouse/trackpad		
Vendor Model Number	Latitude 7210 2-in-1		
Type	Win 10 Pro 64-bit		
Processor	Intel Core i7-10610U (4 Core, 8MB Cache, 1.80GHz, 15W, vPro Capable)		
Memory	16GB		
Resolution	**1920 x 1280**		
Video Display	12.3" FHD (1920 x 1280) Touch Anti-Glare Anti-Smudge with DX glass		
Storage	M.2 512GB PCIe NVMe SSD		
USB Ports	1 x USB 3.1 Gen 1 (with PowerShare, USB Type-A) 2 x Thunderbolt™3 with Power Delivery & DisplayPort (USB Type-C)		
HDMI or DisplayPort	2 x Thunderbolt™3 with Power Delivery & DisplayPort (USB Type-C), USB-C to HDMI adapter included		
Bluetooth	Bluetooth 5.1		
Front Camera	Front facing 5 MP 1080p @30fps camera		
Rear Camera	World facing 8 MP 1080P at 30fps, no flash)		
Internal Wireless Adapter	Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter + BT		
WWAN	Qualcomm® Snapdragon™ X20 Global Gigabit LTE for AT&T, Verizon (Agency must select AT&T or Verizon model)		
Keyboard	Includes a detachable keyboard		
Power	45W with 3' Cord		
Battery	2 cell 38Whr ExpressCharge		
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years		
Keep Hard Drive	Keep Your Hard Drive, 3 Year.		
Unit dimensions and weight	11.5" x 8.22" x 0.37", tablet only 1.87 Lbs, with keyboard 2.64 lbs.		

4.1 High End Tablet	Dell	HP	Lenovo
Description	Extremely portable solid state tablet with touch screen		
Vendor Model Number	Latitude 7210	HP Elite x2 G4	ThinkPad X1
Type	Windows 10 Pro 64-bit	Windows 10 Pro 64-bit	Win 10 Pro 64-bit
Processor	AGENCY CAN CHOOSE EITHER: Intel Core i5-10310U (4 Core, 6M Cache, Base 1.6GHz, Up to 4.4GHz, vPro Capable) OR Intel Core i7-10610U (4 Core, 8MB Cache, 1.80GHz, 15W, vPro Capable)	AGENCY CAN CHOOSE EITHER: Intel i5-8265U (1.6GHz w/Turbo, 6MB SmartCache) OR Intel(R) Core(TM) i7-8565U Processor (1.8GHz w/Turbo, 8MB SmartCache)	Intel i7-8550U (4 Core, 8MB Cache, 1.80GHZ)
Memory	16GB 2133MHz	16GB	16GB LPDDR3 2133MHz
Resolution	1920x1280	1920x1280	3000x2000
Video Display	12.3" FHD (1920 x 1280) Touch Anti-Glare Anti-Smudge with DX glass	12.3 " WUXGA+ (1920x1280) BrightView LED UWVA uslim Touchscreen	13.0 QHD, IPS, Multi-touch
Storage	M.2 256GB PCIe NVMe SSD	SSD 256GB PCIe NVMe Value	256GB Solid State Drive, M.2 2280, SATA3, Opal 2.0
USB Ports	1 x USB 3.1 Gen 1 (with PowerShare, USB Type-A) 2 x Thunderbolt™3 with Power Delivery & DisplayPort (USB Type-C)	2 USB 3.1 Type-C™ with Thunderbolt™ support; 1 USB 3.1 Type-C™ Gen 1 (Power delivery,	Two USB 3.1 Type-C Gen 1 ((with the function of Power Delivery and DisplayPort), one Pogo keyboard connector, one Pen holder slot,
HDMI or DisplayPort or USB-C	2 x Thunderbolt™3 with Power Delivery & DisplayPort (USB Type-C)	USB-C to HDMI Adapter	USB-C
Bluetooth	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 4.1
Front Camera	Front facing 5 MP 1080p @30fps camera	5 MP FHD 1080p front-facing webcam	2.0-megapixel, fixed focus
Rear Camera	World facing 8 MP 1080P at 30fps, no flash	8 MP FHD 1080p rear-facing webcam with flash LED	8.0-megapixel, auto focus
Internal Wireless Adapter	Qualcomm QCA61x4A 802.11ac Dual Band (2x2) Wireless Adapter + BT	Intel Wi-Fi 6 AX200 ax 2x2 LTE Coexistence MU-MIMO 160MHz +Bluetooth 5 WW with 2 Antennas	Intel Wireless-AC 8265 2x2 AC, Bluetooth 4.1 No vPro
WWAN	Qualcomm® Snapdragon™ X20 Global Gigabit LTE for AT&T, Verizon (Agency must select AT&T or Verizon model)	Intel XMM 7360 LTE-Advanced (Cat 9). Supports Verizon and AT&T cards. (Agency must select AT&T or Verizon model)	Integrated Mobile Broadband 4G LTE-A
Power	45W with 3' Cord	65Watt AC Adapter w/1m cord	65W AC Adapter (2pin) - US (USB Type C)
Battery	2 cell 38Whr ExpressCharge	2C 47 WHr Long Life	Integrated Li-Ion 42Wh battery Max: 9.5hr
Hardware Warranty	Onsite Service After Remote Diagnosis 3 Years	3YR Onsite	3YR NBD Onsite
Keep Hard Drive	Keep Your Hard Drive, 3 Year.	3YR KYD	3YR KYD

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Service and Support	Enhanced 24x7	Enhanced 24X7	Enhanced 24X7
Unit dimensions and weight	11.5" x 8.22" x 0.37", 1.87 Lbs	29.27 oz 11.4 in x 8.5 in x 0.3 in	11.97"" x 8.9"" x 0.35""; starting at 1.96 lb

5.1 Flat Panel Monitor, 19-inch (or larger)	Dell	HP	Lenovo
Vendor Model Number	P2018H	Elite E202	ThinkVision T22i-20
Display Type	IPS	IPS w/LED backlight	TFT-LCD, In-Plane Switching (IPS)
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	1600x900 @ 60Hz	1600 x 900 @ 60 Hz	1920x1080
Response Time	8ms gray to gray	7 ms gray to gray	6ms (typical); 4ms (extreme mode)
Image Contrast Ratio	1000: 1 (typical)	1000 to 1	1000:1 (typical)
Brightness	250 cd/m² (typical)	250 cd/m²	250 nits or cd/m2 (typical)
Pixel Pitch	0.271 mm x 0.263 mm	0.27675 (H) x 0.27675(V)mm	0.248 x 0.248 mm
Angle	(160° vertical / 170° horizontal)	178° H/V	178(H)/178(V)
Colors	16.7 million colors	Up to 16.7 million colors	16.7 million color
Input Signal	1 x DisplayPort 1 x HDMI 1 x VGA	(1) DisplayPort (1) HDMI (1) VGA	VGA DisplayPort 1.2 HDMI 1.4
Cables Included	VGA DisplayPort	(1) DisplayPort (1) VGA	1 x Power cable (1.8 m) 1 x DP cable (1.8 m) 1 x USB Type-A to B cable (1.8 m)
Tilt Base	Tilt (5° to 21°)	-5° to +20°	Tilt: 35° back, -5° forward
Swivel	Swivel (45° to 45°)	±45°	swivel: (-45 to +45); detachable stand
Height Adjustable	Yes	Yes, 150 mm	Yes
Rotation Capable	Pivot (90° clockwise)	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
Mount	VESA comp.	100 mm VESA mount	VESA comp.
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-site	3 Year Limited Warranty, with 3 Year next business day advanced exchange
Unit Dimensions and Weight	18.2" x 7.1" x 13.3", 13.51 lbs	18.85 x 7.44 x 19.42 in, 10.67 lbs.	8.07 x 15.59 x 19.26 inches 5.47 kg / 12.06 lbs.

5.2 Flat Panel Monitor, 24-inch	Dell	HP	Lenovo
Vendor Model Number	P2419H	EliteDisplay E243	ThinkVision T24i-20
Display Type	IPS	IPS w/LED backlight	TFT-LCD, In-Plane Switching (IPS)
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	1920 x 1080 at 60Hz	1920 x 1080 @ 60 Hz	1920x1080
Response Time	8ms (gray to gray)	5ms (typical)	4ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static	1000:1 (typical)
Brightness	250 cd/m² (typical)	250 cd/m²	250 nits or cd/m2 (typical)
Pixel Pitch	0.248 mm x 0.248 mm	0.2745 x 0.2745 mm	0.248 x 0.248
Angle	(178° vertical / 178° horizontal)	178° H/V	178(H)/178(V)
Colors	16.7 million color	Up to 16.7 million color	16.7 million color
Input Signal	1 x DisplayPort 1 x HDMI 1 x VGA	(1) DisplayPort (1) HDMI (1) VGA	VGA DisplayPort 1.2 HDMI 1.4
Cables Included	DisplayPort	(1) DisplayPort (1) VGA	1 x Power cable (1.8 m) 1 x DP cable (1.8 m) 1 x USB Type-A to B cable (1.8 m)
Tilt Base	Tilt (-5° to 21°)	-5° to +20°	Tilt: 35° back, -5° forward
Swivel	Swivel (-45° to 45°)	±45°	swivel: +/-45°; detachable stand
Height Adjustable	Yes	Yes, 150 mm	Yes
Rotation Capable	Pivot (90° clockwise)	90° Pivotable	Yes
Mount	VESA comp.	100 mm VESA mount	VESA comp.
USB Ports	USB 3.0 super-Speed Hub (with 1 x USB 3.0 upstream port, 2 x USB 3.0 downstream ports, 2 x USB 2.0 downstream ports)	HDMI (HDCP)¦ DisplayPort (HDCP)¦ VGA¦ USB 3.0 upstream (Type B)¦ 2x USB 3.0 downstream (Type A)	USB Upstream 1 x USB 3.2 Gen1 USB Downstream 4 x USB 3.2 Gen1 (1 x BC 1.2)(Downstream, Incl. 1 BC)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with 9X5 Next Business Day On-Site	3 Year Limited Warranty, with 3 Year next business day advanced exchange
Unit Dimensions and Weight	18.58" H x 19.19" W x 6.54" D, 15.65 lbs	21.21 X 8.07 X 13.11 in at lowest, 12.32 lbs.	8.07 x 16.11 x 21.25 inches 5.90 kg/13.01 lbs

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5.3 Flat Panel Monitor, 27-inch	Dell	HP	Lenovo
Vendor Model Number	P2720D	Elite E273q	ThinkVision P27q-20
Display Type	IPS	IPS w/LED backlight	TFT-LCD, In-Plane Switching (IPS)
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	2560 x 1440	2560 x 1440 @ 60 Hz	2560x1440
Response Time	8 ms (gray to gray) Normal Mode	5 ms gray to gray	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static; 5000000:1 dynamic	(1000:1), 3,000,000:1
Brightness	350 cd/m²	350 cd/m²	350 nits or cd/m2 (typical)
Pixel Pitch	0.2331 mm x 0.2331 mm	0.2331 x 0.2331 mm	0.2331 x 0.2331mm
Angle	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
Colors	1.07 billion colors	16.7 million color	16.7 million color
Input Signal	1 x HDMI 1.4 1 x DisplayPort 1.2	(1) DisplayPort (1) HDMI (1) VGA	1 x HDMI 1.4 1 x DP 1.2 1 x DP 1.2 (out)
Cables Included	1 x DisplayPort 1.2	(1) DisplayPort (1) HDMI	1 x Power cable (1.8 m) 1 x DP cable (1.8 m) 1 x USB Type-B to Type-A cable (1.8 m)
Tilt Base	Tilt (5° to 21°)	-5° to +22°	Tilt: 35° back, -5° forward
Swivel	Swivel (-45° to 45°)	±45°	swivel: +/-45°; detachable stand
Height Adjustable	Yes	Yes, 150 mm	Yes
Rotation Capable	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
Mount	VESA comp.	100 mm VESA mount	VESA comp.
Ports	1 X USB 3.0 Port - Upstream 2 x USB 3.0 Port - Side 2 x USB 2.0 Port - Bottom	3 USB Ports	USB Upstream 1 x USB 3.1 Gen1 (by USB Type-B) USB Downstream 4 x USB 3.1 Gen1 (1 BC)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-Site	3 Year Limited Warranty, with 3 Year next business day advanced exchange
Unit Dimensions and Weight	15.56" ~ 20.68" (Height Extended) W: 24.08" , D: 7.28"	24.1 x 8.4 x 20.6 in, 16.3 lbs.	8.19 x 22.70 x 27.17 inches, 15.7 lbs

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5.4 Flat Panel Monitor, 24-inch (High Resolution)	Dell	HP	Lenovo
Vendor Model Number	U2421E	Z24i G2	ThinkVision P24q-20
Display Type	IPS	IPS w/LED backlight	TFT IPS
Aspect Ratio	16:10	16:9	16:9
Max / Native Resolution	1920x1200	WUXGA 1920 x 1200 at 60 Hz	2560x1440
Response Time	8ms (gray to gray)	5ms (typical)	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static; 10000000:1 dynamic	1000:1 (typical)
Brightness	350 cd/m2 (typical)	300 cd/m²	300 cd/m2
Pixel Pitch	0.270 mm x 0.270 mm	0.2745 x 0.2745 mm	0.21 x 0.21 mm
Angle	(178° vertical / 178° horizontal)	178° H/V	178(H)/178(V)
Colors	16.7 million color	Up to 16.7 million color	16.7 million color
Input Signal	1 x DisplayPort 1.4 1 x HDMI 1.4 1 x DisplayPort (Out)	(1) DisplayPort (1) HDMI (1) VGA	1 x HDMI 1.4 1 x DP 1.2 1 x DP 1.2 (out)
Cables Included	1 x DisplayPort 1 x USB Type-C (C to C) 1 X USB Type-C (C to A)	(1) DisplayPort (1) VGA	1 X DP CABLE (1.8 M) 1 X USB TYPE-A TO TYPE-B CABLE (1.8 M)
Tilt Base	Tilt (-5° to 21°)	-5° to +22°	Tilt: 35° back, -5° forward
Swivel	Swivel (-45° to 45°)	±45°	swivel: +/-45°; detachable stand
Height Adjustable	Yes	Yes, 150 mm	Yes
Rotation Capable	Pivot (90° clockwise)	90° Pivotable	Yes
Mount	VESA comp.	100 mm VESA mount	VESA comp.
USB Ports	USB 3.2 upstream 2 x USB 3.2 downstream	3USB 3.0 ports	USB Upstream 1 x USB3.1 Gen1 Type-B USB Downstream 4 x USB3.1 Gen1 (1 x BC1.2)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with 9X5 Next Business Day On-Site	3 Year Limited Warranty, with 3 Year next business day advanced exchange
Unit Dimensions and Weight	8.8 lbs panel only, 14.33 x 20.9 x 6.81 inches	20.9 x 1.84 x 13.8 in, 14.6 lbs.	8.07 x 16.5 x 21.3 inches 8.1 kg / 17.86 lbs.

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5.5 Flat Panel Monitor, 27-inch (High Resolution, 4K)	Dell	HP	Lenovo
Vendor Model Number	U2720Q	Z27	ThinkVision T27p-10
Display Type	IPS	IPS w/LED backlight	TFT, In-Plane Switching (IPS)
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	3840x2160	4K UHD (3840 x 2160 @ 60 Hz)	3840 x 2160
Response Time	8 ms (gray to gray) Normal Mode	5 ms gray to gray	6ms (typical)
Image Contrast Ratio	1300: 1 (typical)	1300:1 static; 5000000:1 dynamic	1000:1 (typical), 3000000:1 dynamic
Brightness	350 cd/m²	350 cd/m²	350 nits or cd/m2 (typical)
Pixel Pitch	.1554mm x .1554mm	0.1554 x 0.1554	0.1554 x 0.1554
Angle	viewing angle at 178°/ 178°	178° H/V	178(H)/178(V)
Colors	1.07 billion colors	1.07 billion colors	1.07 billion color
Input Signal	1 x HDMI 2.0 1 x DisplayPort 1.4 1 x USB Type-C	1 DisplayPort™ 1.2; 1 mini DisplayPort™ 1.2; 1 HDMI 2.0; 1 USB Type-C™	HDMI 2.0 + DP 1.2 + USB 3.1 Type-C (DP 1.2 Alt Mode)
Cables Included	1-DP, 1-USB Type-C to A, 1-USB Type-C	(1) DisplayPort (1) USB Type-C to A	HDMI + USB-C
Tilt Base	Tilt (-5° to 21°)	-5° to +23°	Tilt: 30° back, -5° forward
Swivel	Swivel (-45° to 45°)	±45°	swivel: +/-45°; detachable stand
Height Adjustable	Yes	Yes, 150 mm	Yes
Rotation Capable	Pivot 90°, clockwise and counterclockwise	90° Pivotable	Rotation for portrait/landscape viewing (90 to portrait)
Mount	VESA comp.	100 mm VESA mount	VESA comp.
Ports	1 x DP (ver. 1.4), 1 x HDMI (ver. 2.0), 1 x USB Type-C, 3 x USB 3.0 ports, including 1 x USB 3.0 BC1.2 charging capability at 2A (max), audio line-out	3 USB Ports	4 x USB 3.1 Gen1 (with 1 BC)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with Next Business Day On-Site	3 Year Limited Warranty, with 3 Year next business day advanced exchange
Unit Dimensions and Weight	15.56"H x 24.07"W x 7.28" D, 14.55 lbs	24.18 X 2.23 X 14.38 in, 20.68 lbs.	10.62 x 15.88 x 24.08 inches 15.32lbs.

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5.6 Flat Panel Monitor, 23-24-inch (Touchscreen)	Dell	HP	Lenovo
Vendor Model Number	P2418HT	EliteDisplay E230t 23-inch Touch	ThinkCentre TIO24Gen3Touch
Display Type	In-plane Switching, Anti-glare with 3H hardness. Type: projected capacitive system; Input: bare finger; Points: 10 touch points	IPS w/LED backlight; Up to 10 Point Advanced In-Cell Touch, Self-Capacitive	TFT IPS 10-point multi-touch, supports Wake on Touch
Aspect Ratio	16:9	16:9	16:9
Max / Native Resolution	1920 x 1080 at 60Hz	1920 x 1080 @ 60 Hz	1920x1080
Response Time	6ms (gray to gray)	5ms (typical)	6ms (typical)
Image Contrast Ratio	1000: 1 (typical)	1000:1 static; 500000:1 dynamic	1000:1 (typical)
Brightness	250 cd/m² (typical)	250 cd/m²	250 nits or cd/m2 (typical)
Pixel Pitch	0.275 mm x 0.275 mm	0.2652 mm	0.248 x 0.248
Angle	(178° vertical / 178° horizontal)	178° H/V	178(H)/178(V)
Colors	16.7 million color	Up to 16.7 million color	16.7 million color
Input Signal	1 x DisplayPort 1 x HDMI 1 x VGA	(1) DisplayPort (1) HDMI (1) VGA	One DisplayPort in port, one USB upstream port, one power connector
Cables Included	DisplayPort, VGA	(1) HDMI (1) VGA	N/A
Tilt Base	Tilt (-5° to 60°)	-5° to +25°	Tilt: 30° back, -5° forward
Swivel	Swivel (-30° to 30°)	±45°	swivel: +/-45°; detachable stand
Height Adjustable	Yes	Yes, 150 mm	Yes
Rotation Capable	N/A	90° Pivotable	Yes
Mount	VESA comp.	100 mm VESA mount	VESA comp.
USB Ports	1 x USB 3.0 port upstream, 2 x USB 3.0 ports (side) (including 1 x USB 3.0 BC1.2 charging port), 2 x USB 2.0 ports (bottom), 1 x Analog 2.0 audio line out (3.5 mm jack)	3USB 3.0 ports	Undetachable 3-in-1 cable (Power connecter, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort), only for connecting to Tiny installed (optional) Side ports offered by installed Tiny (optional)
Hardware Warranty	3-Year Advanced Exchange Service and Premium Panel Guarantee	3YR Limited Warranty with 9X5 Next Business Day On-Site	3 Year Limited Warranty, with 3 Year next business day advanced exchange
Unit Dimensions and Weight	Height: (Compressed - Extended): 12.72 inches ~ 16.52 inches. Width: 21.17 inches. Depth: 9.24 inches. Weight: 6.88lb (panel Only). 16.35lb (with stand)	20.5 x 2.1 x 12.28 in, 10.8 lbs.	21.25 x 11.11 x 15.72 - 20.06 12.92 lbs

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Appendix B

Appendix B contains the available Accessories for awarded configurations, including the Vendor Part Number and Not-To-Exceed Unit Prices.

Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Desktops	Standard/Basic Desktop	1.07	8.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM)	AA101752	$77.00	3TK87AA	$62.10	4X70R38787	$90.00
	Mid-Range Desktop	1.08	8.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM)	AA101752	$77.00	3TK87AA	$62.10	4X70R38787	$90.00
	Standard/Basic Desktop	1.09	16.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM)	AA101753	$111.00	3TK83AA	$126.31	4X70R38788	$180.00
	Mid-Range Desktop	1.10	16.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM)	AA101753	$111.00	3TK83AA	$126.31	4X70R38788	$180.00
	Workstation 1 & 2	1.11	16.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM)	AA101753	$111.00	141H2AT	$126.31	4X70R38788	$180.00
	Workstation 1 & 2	1.12	32.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM)	AA846134	$200.00	141H7AT	$225.26	4X70Z84380	$231.00
	All Desktop Configurations	1.13	Mousepad	A0136117	$2.00	ADT101	$3.50		
	All Desktop Configurations	1.14	External Speakers	A7129773	$13.00	980-00028	$15.00		
	All Desktop Configurations	1.15	Speaker Bar	520-AAOT	$32.00	5UU40AA	$26.31	0A36190	$18.00
	All Desktop Configurations	1.16	USB External DVD +/-RW Drive	429-AAUQ	$27.00	F2B56AA	$28.42	4XA0E97775	$54.00
	All Desktop Configurations	1.17	USB External Blu-Ray Writer Drive	A8348711	$104.00	BRXL-PT6U2VB	$108.00		
	All Desktop Configurations	1.18	USB Wireless Keyboard & Mouse Combo	580-ADTY	$22.00	T6L04AA	$43.15	4X30M39458	$27.00
	All Desktop Configurations	1.19	USB Wireless Keyboard	580-ADTY	$22.00	E5E77AA	$9.47	4X30H56841	$31.00
	All Desktop Configurations	1.20	USB Wireless Mouse	570-AALK	$14.00	H2L63AA	$23.00	4X30M56887	$12.00
	All Desktop Configurations	1.21	USB External Serial Port Adapter	A1234307	$10.00	A242854	$11.91		

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Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Desktops - continued	All Desktop Configurations	1.22	USB External Parallel Port Adapter	A7087515	$10.00	A639274	$8.74		
	All Desktop Configurations	1.23	Microsoft 10 Professional (OEM) with media OR Recovery CD	Downloadable	No Cost	Available upon request	No Cost	Downloadable	No Cost
	All Desktop Configurations	1.24	Resource CDs	Downloadable	No Cost	Downloadable	No Cost	Available upon request	No Cost
	Standard/Basic Desktop	1.25	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$55.00	UE333E	$34.73	5WS0D81063 & 5PS0D80974 (must order both parts)	$38.00
	Mid-Range Desktop	1.26	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$55.00	UE333E	$34.73	5WS0D81063 & 5PS0D80974 (must order both parts)	$27.00
	Workstation 1 & 2	1.27	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$55.00	U1G56E	$34.73	5WS0Q11730 & 5PS0Q11739 (must order both parts)	$37.00
	Standard/Basic Desktop	1.28	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$95.00	UE334E	$51.57	5WS0D81042 & 5PS0K26186 (must order both parts)	$68.00
	Mid-Range Desktop	1.29	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$95.00	UE334E	$51.57	5WS0D81042 & 5PS0K26186 (must order both parts)	$68.00
	Workstation 1 & 2	1.30	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$95.00	U1G57E	$51.57	5WS0Q11728 &, 5PS0Q11741 (must order both parts)	$64.00

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Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Desktops - continued	**Cables**								
	All **Basic Desktop** Configurations	1.31	Connector to Support Dual Monitor VGA	A6946799	$12.00	F7W97AA	$35.00	57Y4393	$24.00
	All **Basic Desktop** Configurations	1.32	Connector to Support Dual Monitor HDMI	A7657890	$10.00	F3W43AA (QTY1)	$15.00	4X90R61023	$28.00
	All **Basic Desktop** Configurations	1.33	Connector to Support Dual Monitor DisplayPort	A7639742	$16.00	3MQ82AA	$100.00	0B47396	$18.00
	All **Mid-Range Desktop** Configurations	1.34	Connector to Support Dual Monitor VGA	A6946799	$12.00	F7W97AA (QTY 2)	$56.00	57Y4393	$24.00
	All **Mid-Range Desktop** Configurations	1.35	Connector to Support Dual Monitor HDMI	A7657890	$10.00	F3W43AA (QTY1)	$15.00	4X90R61023	$28.00
	All **Mid-Range Desktop** Configurations	1.36	Connector to Support Dual Monitor DisplayPort	A7639742	$16.00	Included	No Cost	0B47396	$18.00
	All **Workstation** Configurations	1.37	Connector to Support Dual Monitor VGA	A6946799	$12.00	F7W97AA (QTY 2)	$56.00	57Y4393	$24.00
	All **Workstation** Configurations	1.38	Connector to Support Dual Monitor HDMI	A7657890	$10.00	F3W43AA (QTY1)	$15.00	██████████	
	All **Workstation** Configurations	1.39	Connector to Support Dual Monitor DisplayPort	A7639742	$16.00	Included	No Cost	██████████	
	Misc. Options								
	All Desktop and Laptop Configurations	1.40	HDMI to VGA Adapter	A7889331	$25.00	H4F02AA#ABA	$28.00	0B47069	$24.00
	All Desktop and Laptop Configurations	1.41	HDMI to HDMI Adapter	A7657890	$10.00	F5A28AA	$15.00	0B47070	$9.00
	All Desktop and Laptop Configurations	1.42	DisplayPort to VGA Adapter	470-AANJ	$19.00	AS615AA	$22.00	57Y4393	$24.00
	All Desktop and Laptop Configurations	1.43	DisplayPort to HDMI Adapter	A9176308	$12.00	F3W43AA (QTY1)	$15.00	4X90R61023	$28.00

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Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Desktops – continued	All Desktop and Laptop Configurations	1.44	USB Gigabit Ethernet Dongle	A7126058	$21.00	N7P47AA#ABA	$19.00	4X90E51405	$20.00
	All Desktop and Laptop Configurations	1.45	USB to Parallel Printer Cable, 6 ft	A1234307	$10.00	A931260	$18.00		
	All Desktop and Laptop Configurations	1.46	USB to Serial (DB9) Female Cable, 6 ft	A7087515	$10.00	26887	$13.00		
	All Desktop and Laptop Configurations	1.47	USB-C to USB-A 3.0 Adapter	470-ABNE	$13.00	Z6A00AA	$21.00		
	All Desktop and Laptop Configurations	1.48	USB-C to Ethernet Adapter	470-ABND	$16.00	V7W66AA#ABA	$23.00	4X90S91831	$18.00
	All Desktop and Laptop Configurations	1.49	USB-C to HDMI 2.0 Adapter	470-ABMZ	$26.00	1WC36AA	$15.00	GX90R61025	$21.00
	All Desktop and Laptop Configurations	1.50	USB-C to VGA Adapter	470-ABNC	$27.00	N9K76AA#ABA	$16.00	4X90M42956	$22.00
	All Desktop and Laptop Configurations	1.51	USB-C to DisplayPort Adapter	470-ACFC	$29.00	N9K78AA#ABA	$16.00	4X90Q93303	$27.00
	All Desktop and Laptop Configurations	1.52	USB-C to HDMI/VGA/Ethernet/USB 3.0 DA300 Adapter	469-5546	$57.00	A976437	$72.00		
	All Desktop and Laptop Configurations	1.53	Encrypted USB Flash Drive	A7311517 (4GB)	$29.00	98664 (16B)	$24.00		
	All Desktop and Laptop Configurations	1.54	External Hard Drive – 1 TB	AA107024	$54.00	A974534	$68.00	0A65621	$188.00

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Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Portables	Standard/Basic Laptop	2.07	8.0GB DDR3 SDRAM Memory (1 DIMM)	A9210967	$80.00	4VN06AA	$60.00		
	High End Laptop	2.08	16.0GB DDR3 SDRAM Memory (1 DIMM)	A9168727	$145.00	4VN07AA	$143.15	4X70Z90847	$158.00
	Elite Laptop 1 & 2	2.09	32.0GB DDR3 SDRAM Memory (1 DIMM)			6NX83AA	$252.63	4X71B07148	$270.00
	Standard/Basic Laptop	2.10	Port Replicator (Docking Station)	210-AZBG	$100.00	5TW10UT	$126.31	40AS0090US	$132.00
	High End Laptop	2.11	Port Replicator (Docking Station)	210-AZBG	$100.00	5TW10UT	$126.31	40AS0090US	$132.00
	Elite Laptop 1 & 2	2.12	Port Replicator (Docking Station)	210-AZBN	$175.00	5TW10UT	$126.31	40ANY230US	$240.00
	Ultralight Laptop	2.13	Port Replicator (Docking Station)	210-AZBG	$100.00	5TW10UT	$126.31	40AS0090US	$132.00
	Chromebook	2.14	Port Replicator (Docking Station)	210-AZBG	$100.00	5TW10UT	$126.31		
	Standard/Basic Laptop	2.15	Extra Battery						
	High End Laptop	2.16	Extra Battery						
	Elite Laptop 1 & 2	2.17	Extra Battery	451-BCGI	$70.00				
	Ultralight Laptop	2.18	Extra Battery	451-BCLH	$75.00				
	Chromebook	2.19	Extra Battery	451-BCLI	$80.00				
	Standard/Basic Laptop	2.20	AC Adapter / Power Supply	492-BBME	$35.00	H6Y88AA	$15.79	4X20M26268	$36.00
	High End Laptop	2.21	AC Adapter / Power Supply	492-BBME	$35.00	1HE08AA	$31.57	4X20M26268	$36.00
	Elite Laptop 1 & 2	2.22	AC Adapter / Power Supply	450-ABJU	$60.00	4SC18AA	$47.36	4X20E50574	$78.00
	Ultralight Laptop	2.23	AC Adapter / Power Supply	492-BBOM	$35.00	H6Y88AA	$15.79	4X20M26268	$36.00
	Chromebook	2.24	AC Adapter / Power Supply	492-BBOM	$35.00	1MZ01AA	$22.10		
	Standard/Basic Laptop	2.25	Privacy Screen / Filter	A9384024	$33.00	A905673	$35.00	0A61769	$30.00
	High End Laptop	2.26	Privacy Screen / Filter	750-ABEP	$32.00	A803456	$38.00	0A61771	$30.00
	Elite Laptop 1 & 2	2.27	Privacy Screen / Filter	750-ABEP	$32.00	A803456	$38.00	0A61771	$30.00
	Ultralight Laptop	2.28	Privacy Screen / Filter	A9384024	$33.00	A978521	$35.00		
	All Laptop Configurations	2.29	Nylon Carrying Case	460-BCMK	$20.00	1X645UT	$18.94	4X40E77328	$20.00
	All Laptop Configurations	2.30	Monitor Stand			PA235U (Targus)	$49.00	4XF0L37598	$85.00
	All Laptop Configurations	2.31	USB/Thunderbolt Universal Docking Station	452-BCYT	$150.00	5TW10UT	$126.31	40ANY230US	$240.00

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Segment	Configuration	#	Accessory Item Description	Dell Vendor Part Number	Dell Volume Purchase Unit Price	HP Vendor Part Number	HP Volume Purchase Unit Price	Lenovo Vendor Part Number	Lenovo Volume Purchase Unit Price
Portables - continued	All Laptop/2-in-1 / Tablets Configurations EXCEPT Elite Laptops	2.31b	WD19S 130W Docking Station	210-AZBM	$120.00				
	All Laptop/ 2-in-1 / Tablets Configurations EXCEPT Elite Laptops	2.31c	WD19TBS 180W Thunderbolt Docking Station	210-AZBI	$140.00				
	All Laptop Configurations	2.32	Cable Lock	AA549668	$27.00	Y0Y15AA	$16.84	4XE0N80914	$24.00
	All Laptop Configurations	2.33	External Speakers	A7129773	$13.00	980-00028	$15.00		
	All Laptop Configurations	2.34	Speaker Bar	520-AAOT	$32.00	5UU40AA	$26.31	0A36190	$18.00
	All Laptop Configurations	2.35	Mousepad	A0136117	$2.00	ADT101	$3.50		
	All Laptop Configurations	2.36	Mouse, USB, 2-button, Optical/Scroll	275-BBCB	$9.00	9VA80AA	$7.37	4Y50R20863	$10.00
	All Laptop Configurations	2.37	Mouse, USB, 2-button, Wireless	570-AALK	$10.00	H2L63AA	$23.00	4X30M56887	$12.00
	All Laptop Configurations	2.38	Mouse, Bluetooth	A8805827	$22.00	F3J92AA	$23.16	0A36407	$27.00
	All Laptop Configurations	2.39	Keyboard, USB, Enhanced	580-ADMT	$15.00	QY776AA#ABA	$18.00	4X30M86879	$15.00
	All Laptop Configurations	2.40	Keyboard, USB, Wireless	580-ADTY	$22.00	T6U20AA	$24.21	4X30H56841	$31.00
	All Laptop Configurations	2.41	Keyboard, USB, Multimedia	331-9653	$18.00	Z9N38AA#ABA	$44.00	4X30M86879	$15.00
	All Laptop Configurations	2.42	Keyboard, Bluetooth	A8622614	$25.00	A974865	$28.23		
	All Laptop Configurations	2.43	Keyboard, Ergonomic	A0627175	$22.00	A757064	$45.00		
	All Laptop Configurations	2.44	Keyboard and Mouse Combo, USB, Wireless	580-ADTY	$22.00	T6L04AA	$43.15	4X30M39458	$27.00

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Segment	Configuration		Accessory Item Description	Dell Vendor Part Number	Dell Volume Purchase Unit Price	HP Vendor Part Number	HP Volume Purchase Unit Price	Lenovo Vendor Part Number	Lenovo Volume Purchase Unit Price
Portables - continued	All Laptop Configurations	2.45	USB External Serial Port Adapter	A1234307	$10.00	A242854	$11.91		
	All Laptop Configurations	2.46	USB External Parallel Port Adapter	A7087515	$10.00	A639274	$8.74		
	All Laptop Configurations	2.47	USB External 4 Port USB Hub	A7051372	$25.00	A949247	$12.00		
	All Laptop Configurations	2.48	USB External DVD+/-RW Drive	429-AAUQ	$27.00	F2B56AA	$28.42	4XA0E97775	$54.00
	All Laptop Configurations	2.49	USB External Blu-Ray Writer Drive	A8348711	$104.00	BRXL-PT6U2VB	$108.00		
	All Laptop Configurations	2.50	Microsoft 10 Professional (OEM) with media OR Recovery CD	Downloadable	No Cost	Available Upon request	No Cost	Downloadable	No Cost
	All Laptop Configurations	2.51	Resource CDs	Downloadable	No Cost	Downloadable	No Cost	Available upon request	No Cost
	Standard/Basic Laptop	2.52	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$60.00	UB5F2E	$78.95	5WS0A23821 & 5WS0L13023 (must order both parts)	$87.00
	High End Laptop	2.53	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$60.00	UB5F2E	$78.95	5WS0A22852 & 5PS0G79465 (must order both parts)	$81.00
	Elite Laptop 1 & 2	2.54	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$70.00	U02BZE	$100.00	5WS0V07096 & 5PS0V07106 (must order both parts)	$59.00
	Ultralight Laptop	2.55	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$60.00	UE336E	$94.73	5WS0A23136 & 5PS0G79465 (must order both parts)	$64.00
	Chromebook	2.56	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$60.00	U9DR7E	$94.73		

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Segment	Configuration		Accessory Item Description	Dell Vendor Part Number	Dell Volume Purchase Unit Price	HP Vendor Part Number	HP Volume Purchase Unit Price	Lenovo Vendor Part Number	Lenovo Volume Purchase Unit Price
Portables - continued	Standard/Basic Laptop	2.57	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$90.00	UB5F3E	$78.95	5WS0E84924 & 5PS0K27099 (must order both parts)	$133.00
	High End Laptop	2.58	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$90.00	UB5F3E	$78.95	5WS0A23078 & 5PS0K18198 (must order both parts)	$145.00
	Elite Laptop 1 & 2	2.59	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$120.00	U02C0E	$147.37	5WS0V07052 & 5PS0V07084 (must order both parts)	$118.00
	Ultralight Laptop	2.60	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$90.00	UE337E	$142.11	5WS0A22893 & 5PS0K18198 (must order both parts)	$123.00
	Chromebook	2.61	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$90.00	U9DS2E	$136.85		
	Standard/Basic Laptop	2.62	3YR. Extended Battery Warranty to match 3YR Device warranty	3 year battery*	$60.00	INCLUDED	No Cost	5WS0L01988	$19.00
	High End Laptop	2.63	3YR. Extended Battery Warranty to match 3YR Device warranty	3 year battery*	$60.00	INCLUDED	No Cost	5WS0A23013	$19.00
	Elite Laptop 1 & 2	2.64	3YR. Extended Battery Warranty to match 3YR Device warranty	3 year battery*	$40.00	INCLUDED	No Cost	5WS0V07085	$19.00
	Ultralight Laptop	2.65	3YR. Extended Battery Warranty to match 3YR Device warranty	3 year battery*	$40.00	INCLUDED	No Cost	5WS0A23013	$19.00
	Chromebook	2.66	3YR. Extended Battery Warranty to match 3YR Device warranty	3 year battery*	$40.00	INCLUDED	No Cost		

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Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Portables - continued	<u>**Cable Options**</u>								
	All **Basic Laptop** Configurations	2.67	Connector to Support Dual Monitor DisplayPort	A7639742	$16.00				
	All **Basic Laptop** Configurations	2.68	Connector to Support Dual Monitor VGA	A6946799	$12.00	F7W97AA (QTY 2)	$56.00		
	All **Basic Laptop** Configurations	2.69	Connector to Support Dual Monitor HDMI	A7657890	$10.00	F3W43AA (QTY1)	$15.00		
	All **High End Laptop** Configurations	2.70	Connector to Support Dual Monitor DisplayPort	A7639742	$16.00				
	All **High End Laptop** Configurations	2.71	Connector to Support Dual Monitor VGA	A6946799	$12.00	F7W97AA (QTY 2)	$56.00		
	All **High End Laptop** Configurations	2.72	Connector to Support Dual Monitor HDMI	A7657890	$10.00	F3W43AA (QTY1)	$15.00		
	All **Elite Laptop** Configurations	2.73	Connector to Support Dual Monitor DisplayPort	A7639742	$16.00				
	All **Elite Laptop** Configurations	2.74	Connector to Support Dual Monitor VGA	A6946799	$12.00	F7W97AA (QTY 2)	$56.00		
	All **Elite Laptop** Configurations	2.75	Connector to Support Dual Monitor HDMI	A7657890	$10.00	F3W43AA (QTY1)	$15.00		
	All **Ultralight Laptop** Configurations	2.76	Connector to Support Dual Monitor DisplayPort	A7639742	$16.00				
	All **Ultralight Laptop** Configurations	2.77	Connector to Support Dual Monitor VGA	A6946799	$12.00	F7W97AA (QTY 2)	$56.00		
	All **Ultralight Laptop** Configurations	2.78	Connector to Support Dual Monitor HDMI	A7657890	$10.00	F3W43AA (QTY1)	$15.00		
	All **Chromebook** Configurations	2.79	Connector to Support Dual Monitor DisplayPort	A7639742	$16.00				
	All **Chromebook** Configurations	2.80	Connector to Support Dual Monitor VGA	A6946799	$12.00	F7W97AA (QTY 2)	$56.00		
	All **Chromebook** Configurations	2.81	Connector to Support Dual Monitor HDMI	A7657890	$10.00	F3W43AA (QTY1)	$15.00		

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Segment	Configuration		Accessory Item Description	Dell Vendor Part Number	Dell Volume Purchase Unit Price	HP Vendor Part Number	HP Volume Purchase Unit Price	Lenovo Vendor Part Number	Lenovo Volume Purchase Unit Price
2-in-1 Laptops / Tablets	2-in-1 Laptop / Tablet	3.02	8.0GB DDR3 SDRAM Memory (1 DIMM)	A9206671 (5310 model only)	$80.00	4VN06AA	$60.00		
	2-in-1 Laptop / Tablet	3.03	Docking Station	210-AZBG	$100.00	5TW10UT	$126.31	40AS0090US	$132.00
	2-in-1 Laptop / Tablet	3.04	Extra Battery					5WS0F15923	$19.00
	2-in-1 Laptop / Tablet	3.05	AC Adapter / Power Supply	492-BCBI (5310 model) 492-BBUU (7210 model)	$30.00	1HE08AA	$31.57	4X20M26252	$33.00
	2-in-1 Laptop / Tablet	3.06	Nylon Carrying Case	460-BCMK	$20.00	1X645UT	$18.94	4X40E77328	$20.00
	2-in-1 Laptop / Tablet	3.07	Ruggedized Case	460-BCRL (7210 model only)	$35.00				
	2-in-1 Laptop / Tablet	3.08	Monitor Stand			PA235U (Targus)	$49.00	4XF0L37598	$85.00
	2-in-1 Laptop / Tablet	3.09	Mouse, USB, 2-button, Wireless	570-AALK	$10.00	H2L63AA	$23.00	4X30M56887	$12.00
	2-in-1 Laptop / Tablet	3.10	Mouse, Bluetooth	A8805827	$22.00	F3J92AA	$23.16	0A36407	$27.00
	2-in-1 Laptop / Tablet	3.11	Keyboard, USB, Wireless	580-ADTY	$22.00	T6U20AA	$24.21	4X30H56841	$31.00
	2-in-1 Laptop / Tablet	3.12	Keyboard, Bluetooth	A8622614	$25.00				
	2-in-1 Laptop / Tablet	3.13	Keyboard and Mouse Combo, USB, Wireless	580-ADTY	$22.00	T6L04AA	$43.15	4X30M39458	$27.00
	2-in-1 Laptop / Tablet	3.14	Auto Adapter	450-AAYR	$50.00	5TQ76AA	$52.63	40AK0065WW	$46.00
	2-in-1 Laptop / Tablet	3.15	Stylus	750-AATY	$30.00	6SG43AA	$67.35	4X80U90631	$35.00
	2-in-1 Laptop / Tablet	3.16	USB External DVD+/-RW Drive	429-AAUQ	$27.00	F2B56AA	$28.42	4XA0E97775	$54.00

Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
2-in-1 Laptops / Tablets - continued	2-in-1 Laptop / Tablet	3.17	Resource CDs	Downloadable	No Cost	Downloadable	No Cost	Available upon request	No Cost
	2-in-1 Laptop / Tablet	3.18	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$60.00	UE336E	$94.73	5WS0E97215 & 5WS0F17636 (must order both parts)	$76.00
	2-in-1 Laptop / Tablet	3.19	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$90.00	UE337E	$142.11	5WS0E97383 & 5PS0K18170 (must order both parts)	$134.00
	2-in-1 Laptop / Tablet	3.20	3 Year Accidental Damage Warranty	3 year DAMS*	$60.00	UL784E	$150.52	5PS0F15928	$89.00
	2-in-1 Laptop / Tablet	3.21	4 Year Accidental Damage Warranty	4 year DAMS*	$120.00	UL785E	$300.00	5PS0F17633	$115.00
	2-in-1 Laptop / Tablet	3.22	3YR. Extended Battery Warranty to match 3YR Device warranty	3 year battery*	$40.00	INCLUDED	No Cost	5WS0F15923	$19.00
	Cables								
	2-in-1 Laptop / Tablet	3.23	Micro-HDMI to DVI Adapter	A8874947	$10.00	41358	$6.00		
	2-in-1 Laptop / Tablet	3.24	Micro-HDMI to HDMI Adapter	A7888589	$15.00	41357	$5.00		
	2-in-1 Laptop / Tablet	3.25	Micro-HDMI to VGA Adapter	A7871725	$26.00	41359	$25.00		
	2-in-1 Laptop / Tablet	3.26	Micro-HDMI to DisplayPort Adapter	A7888589 & A8606248 (must order both parts)	$50.00				
	2-in-1 Laptop / Tablet	3.27	Mini-DisplayPort to HDMI Adapter	A7888589	$15.00	54313	$11.00	0B47089	$15.00
	2-in-1 Laptop / Tablet	3.28	Mini-DisplayPort to VGA Adapter	A7571474	$28.00	54315	$17.00	0A36536	$24.00
	2-in-1 Laptop / Tablet	3.29	Mini-DisplayPort to DisplayPort Adapter	A7888589 & A8606248 (must order both parts)	$50.00	54303	$9.00	0B47091	$12.00

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Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Tablets	High End Tablet	4.03	Mouse, Bluetooth	A8805827	$22.00	F3J92AA	$23.16	0A36407	$27.00
	High End Tablet	4.04	Keyboard, Bluetooth	A8622614	$25.00	A974865	$28.23	■	
	High End Tablet	4.05	Mobile Tablet Keyboard	580-AIBC	$100.00	7CS01AA	$130.00	4Y40Q79249	$155.00
	High End Tablet	4.06	Basic Cover	460-BCQP	$15.00	2UW10UT	$10.00	4X40M57117	$30.00
	High End Tablet	4.07	Ruggedized Case	460-BCRL	$35.00	THZ811GLZ (Targus)	$49.00	4X40Q62112	$85.00
	High End Tablet	4.08	AC Adapter / Power Supply	492-BBUU	$30.00	1HE07AA	$34.74	4X20M26252	$33.00
	High End Tablet	4.09	Docking Station	210-AZBG	$100.00	5TW10UT	$126.31	40AS0090US	$132.00
	High End Tablet	4.10	Stylus	750-AATY	$30.00	6SG43AA	$67.35	4X80H34887	$35.00
	High End Tablet	4.11	4th Year Next Business Day, On-site w/hard drive retention warranty	4 year*	$60.00	UBOE8E	$100.00	5WS0E97146 & 5WS0F17636 (must order both parts)	$93.00
	High End Tablet	4.12	5th Year Next Business Day, On-site w/hard drive retention warranty	5 year*	$90.00	UB0E9E	$147.37	5WS0E97394 & 5PS0K18170 (must order both parts)	$156.00
	High End Tablet	4.13	3 Year Accidental Damage Warranty	3 year DAMS*	$60.00	UB0F0E	$149.48	5PS0F15928	$89.00
	High End Tablet	4.14	4 Year Accidental Damage Warranty	4 year DAMS*	$120.00	UB0F1E	$317.89	5PS0F17633	$115.00
	High End Tablet	4.15	3YR. Extended Battery Warranty to match 3YR Device warranty	3 year battery*	$40.00	INCLUDED	No Cost	5WS0F15923	$19.00
	Cables								
	High End Tablet	4.16	Micro-HDMI to DVI Adapter	A7888589	$15.00	41357	$6.00	■	
	High End Tablet	4.17	Micro-HDMI to VGA Adapter	A7871725	$28.00	41359	$25.00	■	

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Segment	Configuration		Accessory Item Description	Dell		HP		Lenovo	
				Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price	Vendor Part Number	Volume Purchase Unit Price
Tablets - continued	High End Tablet	4.18	Micro-HDMI to DisplayPort	A7888589 & A8606248 (must order both parts)	$50.00				
	High End Tablet	4.19	Mini-DisplayPort to HDMI Adapter	A7888589	$15.00	54313	$11.00	0B47089	$15.00
	High End Tablet	4.20	Mini-DisplayPort to VGA Adapter	332-2270	$16.00	54315	$17.00	0A36536	$24.00
	High End Tablet	4.21	Mini-DisplayPort to DisplayPort Adapter	A7888589 & A8606248 (must order both parts)	$50.00	54303	$9.00	0B47091	$12.00
Monitor Accessories	Flat Panel Monitor, 19.5 to 20-inch (or larger)	5.07	Privacy Screen / Filter	A9668318	$68.00	A883866	$65.79	4XJ0H15115	$71.00
	Flat Panel Monitor, 24-inch	5.08	Privacy Screen / Filter	A9653956	$86.00	K52794 (Kensington)	$65.00	4XJ0L59639	$80.00
	Flat Panel Monitor, 27-inch	5.09	Privacy Screen / Filter	A9180882	$189.00	FP270W9 (Kensington)	$110.53	4XJ0L59640	$135.00

* Note: Dell will add the cost of an extended warranty into the total cost of the device when it is invoiced. The extended warranty options will not be a separate line item on Dell's invoices.

Updates:
2020-01-08   Updated Dell info and pricing
2020-01-13   Updated Dell description for 2-in-1s
2020-01-29:   Dell lowered the pricing and updated the quote numbers on the following items: 1.1a (Standard/Basic Desktop – Intel Proc); 1.2a (Mid-Range Desktop – Intel Proc); 1.3b (Workstation 1 – i7 Proc., 8GB Video); 1.4a (Workstation 2 – i9 Proc., 4GB Video); 1.5 (Tiny/Micro Desktop); 2.2 (High

	End Laptop); 2.3a (Elite Laptop 1 – i7 Proc., 4GB Video); 3.1a (2-in-1 Laptop/Tablet – 5300 Model); 4.2b (High End Tablet – AT&T, i7 Proc.); 4.2c (High End Tablet – Verizon, i7 Proc.). Updated Applied Data Technologies (for HP products) contact information.
2020-02-13:	HP changed the part numbers for Items 2.30 & 3.08 (Monitor Stand) to part# PA235U; Items 1.14 & 2.33 (USB External Speakers) to part number 980-00028; Item 5.08 (Privacy Screen/Filter for 24-inch Flat Panel)
2020-02-17:	Updated Dell contact information
2020-03-02:	Corrected Ultralight Laptop weight requirement to match specification in bid document.
2020-04-02:	Dell replaced the model for Item 5.5 (Flat Panel Monitor, 27-inch (High Resolution, 4K)) with the U2720Q. Updated Dell contract name and email address.
2020-04-06:	Dell replaced Item 4.17 (Micro-HDMI to VGA Adapter) with part number A7871725. Dell replaced Item 4.20 (Mini-DisplayPort to VGA Adapter) with part number 332-2270.
2020-04-27:	Dell replaced Item 1.54 (External Hard Drive – 1TB) with part number AA107024. Dell replaced Item 3.23 (Micro-HDMI to DVI Adapter) with part number A8874947 and lowered cost to $10.00.
2020-06-02:	HP replaced Item 2.1 (Basic Laptop) model with the ProBook 440 G7 and Item 2.2 (High End Laptop) model with the ProBook 450 G7.
2020-06-08:	HP changed the part number for Item 5.08 (Privacy Screen/Filter for 24-inch Flat Panel) to part number A5833469
2020-06-18:	Dell replaced Item 2.1 (Basic Laptop) model with the Latitude 3410 and Item 2.2 (High End Laptop) model with the Latitude 3510.
2020-06-25:	HP changed the part number for Item 1.53 (Encrypted USB Flash Drive) to part number 98664.
2020-07-06:	**Dell replaced the following models:**

Items 1.3a (Workstation 1 – i7 proc., 4GB), 1.3b (Workstation 1 – i7 proc., 8GB), 1.4a (Workstation 2 – i9 proc., 4GB), and 1.4b (Workstation 2 – i9 proc., 8GB) models with the Precision 3640 Tower and updated part numbers.

Items 2.3a (Elite Laptop 1 – i7 proc., 4GB) and 2.3b (Elite Laptop 1 – i7 proc., 6GB) models with the Mobile Precision 7550 and updated part numbers.

2.5 (Ultralight Laptop) model with the Latitude 5410 and updated part number.

Items 3.1a (2-in-1 Laptop / Tablet (No WWAN)), 3.1b (2-in-1 Laptop / Tablet (AT&T)), and 3.1c (2-in-1 Laptop / Tablet (Verizon)) models with the Latitude 5310 2-in-1 and updated part numbers.

Items Alternate 3.1a (2-in-1 Laptop / Tablet (No WWAN), Alternate 3.1b (2-in-1 Laptop / Tablet (AT&T)), and Alternate 3.1c (2-in-1 Laptop / Tablet (Verizon)) models with the Latitude 7210 2-in-1 and updated part numbers.

Items 4.1a (High End Tablet (No WWAN) (i5 proc)), 4.1b (High End Tablet (AT&T) (i5 proc)), 4.1c (High End Tablet (Verizon) (i5 proc)), 4.2a (High End Tablet (No WWAN) (i7 proc)), 4.2b (High End Tablet (AT&T) (i7 proc)), and 4.3b (High End Tablet (Verizon) (i7 proc)) models with the Latitude 7210 and updated part numbers.

HP updated the part numbers on the following models:

4.1a High End Tablet (No WWAN) (i5 proc) changed to part number 969779.

4.1b High End Tablet (AT&T) (i5 proc) changed to part number 969780.

4.1c High End Tablet (Verizon) (i5 proc) changed to part number 969781.

4.2a High End Tablet (No WWAN) (i7 proc) changed to part number 969782.

4.2b High End Tablet (AT&T) (i7 proc) changed to part number 969783.

4.2c High End Tablet (Verizon) (i7 proc) changed to part number 969784.

Item 3.07 (Ruggedized Case) changed to Targus part number THZ811GLZ

2020-07-10: Updated Item 2.1 (HP Basic Laptop) to remove DisplayPort from configuration.

2020-07-15: **Dell replaced the following models:**

Dell removed Item 2.09 (32.0GB DDR3 SDRAM Memory (1 DIMM)) until replacement is announced.

Item 2.4a (Elite Laptop 2 (i9 Proc., 4GB)) and 2.4b (Elite Laptop 2 (i9 Proc., 6GB)) with Mobile Precision 7550 and updated part numbers.

Lenovo replaced the following models:

Item 2.1 (Basic Laptop) model replaced with ThinkPad E14.

Item 2.2 (High End Laptop) model replaced with ThinkPad L15 and decreased price.

Item 2.5 (Ultralight Laptop) model replaced with ThinkPad X13 and decreased price.

Item 3.1a (2-in-1 Laptop/Tablet – No WWAN), Item 3.1b (2-in-1 Laptop/Tablet – AT&T), Item 3.1c (2-in-1 Laptop/Tablet – Verizon) models with ThinkPad X13 Yoga and decreased pricing on AT&T and Verizon WWAN models.

Item 5.1 (Flat Panel, 19 inch) monitor with ThinkVision T22i-20.

Item 5.2 (Flat Panel, 24 inch) monitor with ThinkVision T24i-20.

Item 5.3 (Flat Panel, 27 inch) monitor with ThinkVision T27q-20.

Item 5.4 (Flat Panel, 24-inch (High Resolution)) monitor with ThinkVision P24q-20.

Removed Item 2.07 (8.0GB DDR3 SDRAM Memory (1 DIMM)); Updated part number and pricing for Item 2.08 (16.0GB DDR3 SDRAM Memory (1 DIMM)); Updated part number for Item 2.12 (Elite Laptop - Port Replicator (Docking Station)); Updated part number for Item 2.31 (USB/Thunderbolt Universal Docking Station); Updated part number for Item 2.32 (Cable Lock); Removed Item 2.42 (Keyboard, Bluetooth); Updated part number & reduced price for Item 2.67 (Connector to Support Dual Monitor DisplayPort); Updated part number & reduced price for Item 2.68 (Connector to Support Dual Monitor VGA); Removed Item 3.12 (Keyboard, Bluetooth); Removed Item 3.27 (Mini-DisplayPort to HDMI Adapter); Removed Item 3.28 (Mini-DisplayPort to VGA Adapter); Removed Item 3.29 (Mini-DisplayPort to DisplayPort Adapter);

2020-07-30: Dell lowered the pricing for Items 1.07 and 1.08 (8.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM) for Basic and Mid-Range Desktops).

2020-08-17: Corrected Lenovo part number for Item 2.31 (USB/Thunderbolt Universal Docking Station). Updated Dell contact information.

2020-09-01: HP updated part number for Item 2.36 (Mouse, USB, 2-button, Optical/Scroll) and corrected part number for Item 3.09 (Mouse, USB, 2-button, Wireless).

2020-09-03: HP made the following updates:

Updated description of Item 4.1 (High End Tablet)

Removed Item 3.07 (Ruggedized Case for 2-in-1 Laptop/Tablet)

Updated part number for Item 4.07 (Ruggedized Case for High End Tablet) and decreased cost.

2020-09-30: HP updated part number for Item 4.07 (Ruggedized Case for High End Tablet).

2020-10-01: HP updated part number for Items 2.29 and 3.06 (Nylon Carrying Case)

2020-10-08: Lenovo Item 2.4a (Elite Laptop 2 (i9 proc) (4GB video)) model replaced with the ThinkPad P1.

2020-10-20: Dell updated part number for Item 5.4 (Flat Panel Monitor, 24-inch (High Resolution)).
HP updated part number for Item 5.09 (Privacy Screen/Filter for Flat Panel Monitor, 27-inch).

2020-10-27: HP updated part number for Item 5.08 (Privacy Screen/Filter for Flat Panel Monitor, 24-inch).

2020-11-10: Dell updated model and part number for 1.1a Standard/Basic Desktop (Intel proc), 1.2a Mid-Range Desktop (Intel Proc), and 1.5a Micro/Tiny Desktop (Intel proc). Dell contact information updated.

2020-12-10: Updated Lenovo contact information. Dell updated part number for Item 3.25 (Micro-HDMI to VGA Adapter for 2-in-1 Laptop/Tablet).

2020-12-29: **HP replaced the following models:**
Item 1.1a (Standard/Basic Desktop (Intel proc)) replaced with the ProDesk 400 G7 SFF.
Item 1.1b (Standard/Basic Desktop (AMD proc)) replaced with the EliteDesk 805 G6 SFF.
Item 1.2a (Mid-Range Desktop (Intel proc)) replaced with the ProDesk 400 G7 SFF.
Item 1.2b (Mid-Range Desktop (AMD proc)) replaced with the EliteDesk 805 G6 SFF.
Item 1.3a (Workstation 1 (i7 proc) (4GB video)) replaced with the Z2 G5 Tower Workstation.
Item 1.3b (Workstation 1 (i7 proc) (8GB video)) replaced with the Z2 G5 Tower Workstation.
Item 1.4a (Workstation 2 (i9 proc) (4GB video)) replaced with the Z2 G5 Tower Workstation.
Item 1.4b (Workstation 2 (i9 proc) (8GB video)) replaced with the Z2 G5 Tower Workstation.
Item 1.5a (Micro/Tiny Desktop (Intel proc)) replaced with the EliteDesk 800 G6 Mini.
Item 1.5b (Micro/Tiny Desktop (AMD proc)) replaced with the ProDesk 405 G6 Mini.
Item 2.1 (Basic/Standard Laptop) replaced with the ProBook 440 G8.
Item 2.2 (High End Laptop) replaced with the ProBook 450 G8.
Item 2.3a (Elite Laptop 1 (i7 proc) (4GB video)) replaced with the Zbook Power G7.
Item 2.3b (Elite Laptop 1 (i7 proc) (6GB video)) replaced with the Zbook Fury 15 G7.
Item 2.4a (Elite Laptop 2 (i9 proc) (4GB video)) replaced with the Zbook Power G7.
Item 2.4b (Elite Laptop 2 (i9 proc) (6GB video)) replaced with the Zbook Fury 15 G7.
Item 2.5 (Ultralight Laptop)
Item 3.1a (2-in-1 Laptop / Tablet (No WWAN))
Item 3.1b (2-in-1 Laptop / Tablet (AT&T))
Item 3.1c (2-in-1 Laptop / Tablet (Verizon))

HP updated part numbers for the following items:
Item 1.11 (Workstation 1 & 2 - 16.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM))
Item 1.12 (Workstation 1 & 2 - 32.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM))
Item 2.22 (Elite Laptop 1 & 2 – AC Adapter/Power Supply)

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Item 2.54 (Elite Laptop 1 & 2 - 4th Year Next Business Day, On-site w/hard drive retention warranty)

Item 2.59 (Elite Laptop 1 & 2 - 5th Year Next Business Day, On-site w/hard drive retention warranty)

2021-02-05: **Lenovo replaced the following models:**

1.3a Workstation 1 (i7 proc) (4GB video) replaced with the ThinkStation P340 SFF

1.3b Workstation 1 (i7 proc) (8GB video) replaced with the ThinkStation P340 Tower

1.4a Workstation 2 (i9 proc) (4GB video) replaced with the ThinkStation P340 SFF

1.4b Workstation 2 (i9 proc) (8GB video)) replaced with the ThinkStation P340 Tower

2.3a Elite Laptop 1 (i7 proc) (4GB video) replaced with the ThinkPad P15 Mobile Workstation

2.3b Elite Laptop 1 (i7 proc) (6GB video) replaced with the ThinkPad P15 Mobile Workstation

2.4a Elite Laptop 2 (i9 proc) (4GB video) replaced with the ThinkPad P15 Mobile Workstation

2.4b Elite Laptop 2 (i9 proc) (6GB video) replaced with the ThinkPad P15 Mobile Workstation

5.3 Flat Panel Monitor, 27-inch replaced with the ThinkVision P27q-20.

Lenovo updated part numbers for the following items or discontinued them:

1.12   Workstation 1&2 32.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM) part number updated.

1.38   Connector to Support Dual Monitor HDMI removed.

1.39   Connector to Support Dual Monitor DisplayPort removed.

2.09   Elite Laptop 1 &2 32.0GB DDR3 SDRAM Memory (1 DIMM) part number updated.

2.15 – 2.18 – Extra Batteries for Lenovo laptop models are no longer available as all laptop models have sealed batteries.

2.28   Privacy Screen / Filter is discontinued.

2.67 - 2.78: Lenovo has discontinued dual monitor cables for laptops.

4.04   Keyboard, Bluetooth is discontinued.

2021-02-12: **Dell replaced the following models:**

2.5 Ultralight Laptop replaced with the Latitude 5420.

3.1a (2-in-1 Laptop / Tablet (No WWAN)), 3.1b (2-in-1 Laptop / Tablet (AT&T)), and 3.1c (2-in-1 Laptop / Tablet (Verizon)) replaced with the Latitude 5320 2-in-1.

Dell updated part numbers for the following items:

1.09 – 1.11: 16.0GB Non-ECC DDR3 SDRAM Memory (1 DIMM). Dell has decreased the price for these items.

2.10 – 2.11, 2.13, 2.14, 3.03 & 4.09: Docking Station for Basic, High End, & Ultralight laptops, Chromebooks, 2-in-1 Laptop/Tablet, and High End Tablet part number updated.

2.12   Elite Laptop 1 & 2 Port Replicator (Docking Station) part number updated.

2.31b   WD19S 130W Docking Station part number updated.

2.31c   WD19TBS 180W Thunderbolt Docking Station part number updated.

Updated 2021-02-15