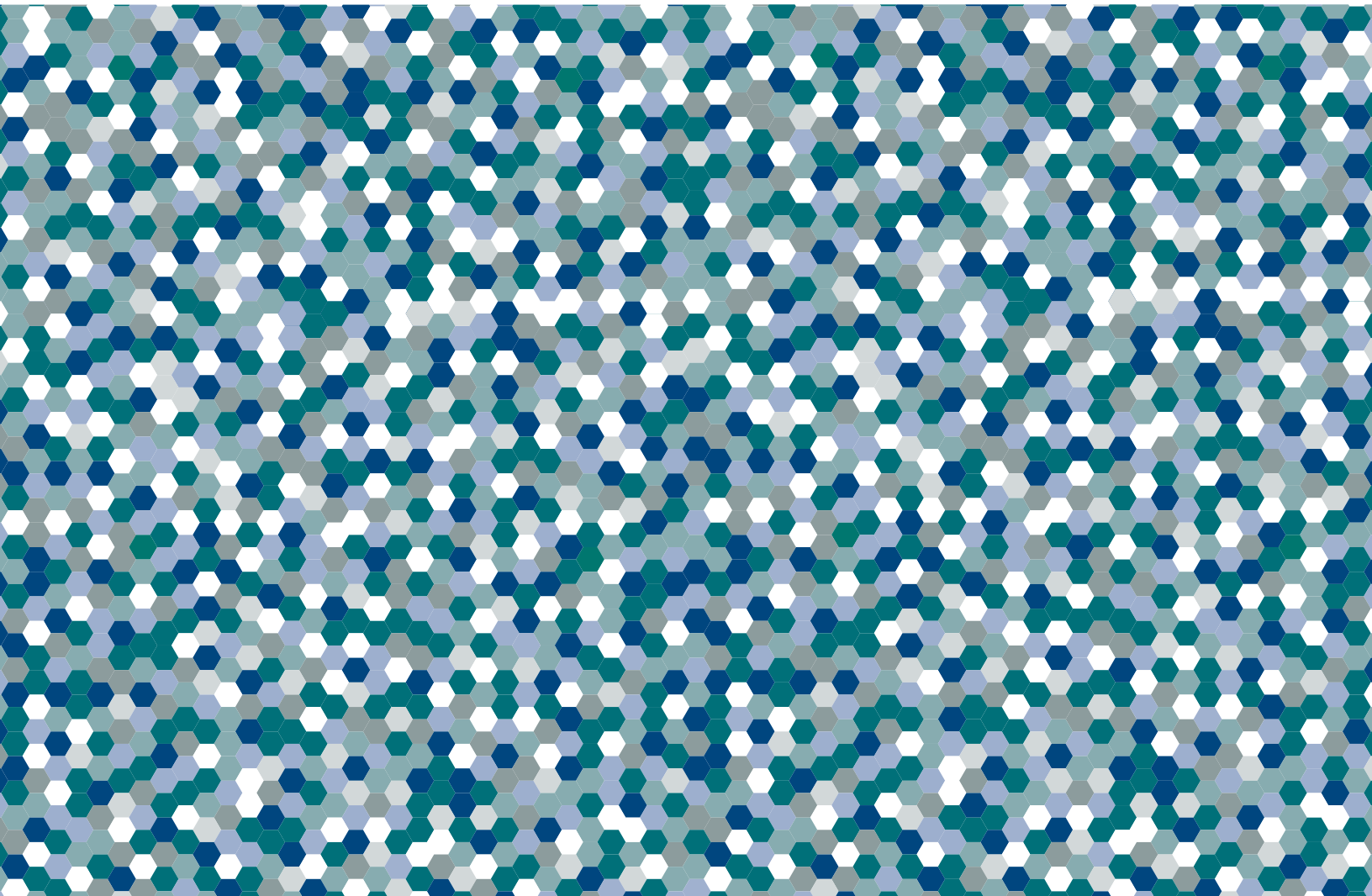# GSA Offers Smarter Buying for HP® Desktop and Laptop Computers

As federal employees, we depend on laptops and desktops every day to do our work – and how much is spent on our computers shows it. Each year, the federal government spends more than $50 billion on hardware, software, telecommunications, information technology (IT) security, and IT professional services through tens of thousands of contracts and delivery orders.

A significant portion of that is spent on the same types of equipment from the same companies across thousands of contracts – with little visibility from one agency to the next about what prices are being paid. To address this, Office of Management and Budget (OMB) issues policies directing agencies to take new steps to improve the acquisition and management of common IT goods and services to drive greater performance, efficiencies, and savings.

To support these goals, GSA offers the Government-wide Strategic Solutions (GSS) for Desktops and Laptops program. This program offers a better way to purchase by standardizing requirements and buying collectively – part of our governmentwide approach. Using the program can minimize an agency's effort to find or create their own solutions and ensure they have the critical equipment to fulfill their duties.

The GSS for Desktops and Laptops program aligns with OMB Memo M-16-02: Category Management Policy 15-1, which mandates the use of GSS for federal agencies to fulfill the bulk of their desktop and laptop computer needs. By using these solutions, your agency could save up to 27 percent off the GSA standard pricing!

In May 2017, GSA's GSS for Desktops and Laptops program was awarded the Best-in-Class (BIC) designation, as sponsored by OMB. BIC is a governmentwide acquisition designation used to highlight the best high-quality contract vehicles available.

According to OMB Memo M-16-02, since 2012, the OMB PortfolioStat process has significantly improved how government agencies buy, manage, and consume these goods and services by engaging the Chief Information Officer (CIO) and other senior leaders in baselining, reviewing, and consolidating IT needs. Through quarterly data collections and annual reviews, this initiative has increased visibility into purchasing and consumption practices, reduced duplication in certain areas, and generated savings.

Guidance for GSA's Government-wide Strategic Solutions (GSS) for Desktops and Laptops BPAs

Background

GSA's Information Technology Category (ITC) IT Schedule 70 has established a brand-name or equal Blanket Purchase Agreement (BPA) in accordance with ordering procedures of FAR 8.405-3(b)(1) for laptops, desktops, tablets, and monitors under the Government-wide Strategic Solutions (GSS) program.

Scope

The fundamental purpose of the GSS BPAs is to provide a streamlined process and leverage the government's buying power for procuring laptops, desktops, peripherals, and ancillary supplies and services. The BPAs will be available for use by the federal government (civilian and military) as well as state, local, and tribal government entities through GSA's Cooperative Purchasing Program.

Contact Information

BPA Contract Administration/Senior Contracting Officer (SCO)
Tony Tomczak
Senior Business Management Specialist
(404) 215-8654
workstations@gsa.gov

Period of Performance

BPA number: 47QTCA18A0003

GSA contract number: GS-35F-0344S

The BPA's period of performance is from August 21, 2018, to August 22, 2019.

Award BPA Holder

GS-35F-0344S
ABM Federal Sales
285 Chesterfield Business Parkway
Chesterfield, MO 63005
June Giedinghagen
(636) 229-8132

HP Category

Agencies can order directly from the vendor or use the GSA AdvantageSelect℠ portal.

MAS contract number: GS-35F-0344S
BPA number: 47QTCA18A0003

Ordering Procedures

Note: These are single-award BPAs – no RFQ or brand-name justification is required when using these BPAs for GSS products.

Online Ordering

GSA AdvantageSelect℠

GSA AdvantageSelect offers pre-competed items available for purchase by all federal agencies without additional competition. The streamlined process of GSA AdvantageSelect can also help agencies meet sustainable-acquisition and socioeconomic goals.

Go to the GSA AdvantageSelect home page and choose "Government-wide Strategic Solutions IT Products" from the menu on the left side of your screen. When you find a product that meets your requirements, click on "select deal," configure your item as desired by clicking on the options/accessories link on the left, add to cart, and check out or add more items using the same process. We recommend that you contact the vendor before completing checkout to ask for additional discounts for your order (a discount code can be used at checkout and the agreed-to price manually entered). If payment is being made via the Address Activity Code for civilian agencies or purchase card, be sure to order using GSA AdvantageSelect. If payment is not being made via the Address Activity Code or purchase card, you can order directly from vendor via their agency-contracting writing systems.

GSA*Advantage!*®

Search for available products by selecting the GSS icon – GSS – in the "Special Programs" portion of the GSA*Advantage!*. The GSS for Desktops and Laptops Web page displays the current configurations for desktops and laptops. Select the "View Products" button underneath a configuration to see what available products meet that specific configuration. Choose GSS desktop and laptop standard configuration options and accessories by selecting the "Options/Accessories" link on the left side of each product's page. Remember to use eBuy to get quotations for your GSS desktop and laptop products. First, identify the products you want on the GSS for Desktops and Laptops Web page and add the items and quantities to your cart. When you've finished shopping, send the requirement to eBuy from the checkout screen. You can also submit a Request for Quotation (RFQ) using the GSS name and specification configured with the GSS standard options.

Learn more about ordering.

Direct Ordering

Contact the BPA holder using the information on page 4, provide your requirements, and ask for an all-inclusive quotation. Once the quotation is received, check to ensure all prices are equal to or less than their BPA pricing. It is always recommended to contact the vendor and ask for additional discounts on their quotation prior to placing an order. Issue your order.

GSA's GSS for Desktops and Laptops BPAs

ABM Federal Sales
BPA for HP® client and accessories
Valid 8/21/2018 through 8/22/2019

ABM Federal Sales
  285 Chesterfield Business Parkway
  Chesterfield, MO 63005

GSA Contract
Number: GS-35F-0344S

BPA Number: 47QTCA18A0003

ABM DUNS: 064632888

ABM Cage Code: 79775

NAICS Codes: 334112, 334118, 423430,
  443124, 519190, 532420, 541330, 541513,
  541519, 541611, 541614, 541618, 561110,
  561210, 561499, 511420

ABM
  http://www.abmfederal.com

GSA AdvantageSelect
  https://gsaadvantage.gov/advantage/department/
  AdvSelect.do

Contact information:

  ABM
    June Giedinghagen
    Capture Manager
    285 Chesterfield Business Parkway
    Chesterfield, MO 63005
    (636) 229-8132
    june.giedinghagen@abmfederal.com

  GSA
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    401 W. Peachtree St. NW, Suite 840
    Atlanta, GA 30308
    (404) 215-8654
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Category	Manufacturer Name	Manufacture Part Number	Product Service Name	BPA Price
Lightweight Laptop	HP®	2VV36AV	EliteBook 830 G5	$1,401.91
Lightweight Laptop	HP	1FU91AV	EliteBook x360 1030 G2	$1,800.30
Laptop	HP	2WJ48AV	HP EliteBook 840 G5	$1,245.34
Laptop	HP	2TF92AV	HP ProBook 640 G4	$1,241.71
High-End Laptop	HP	2WJ63AV	EliteBook 850 G5 Notebook PC	$2,006.45
High-End Laptop	HP	4PY40AV	HP ZBook 15 G5 Mobile Workstation	$2,461.46
High-End Laptop	HP	3VC51AV	HP ZBook 17 G5 Mobile Workstation	$2,318.39
Desktop SFF	HP	2VG42AV	HP ProDesk 600 G4 SFF	$929.77
Desktop SFF	HP	2US83AV	HP EliteDesk 800 G4 SFF	$927.36
Desktop SFF	HP	2YE29AV	HP ProDesk 600 G4 Desktop Mini	$867.91
Desktop SFF	HP	2YH19AV	HP EliteDesk 800 G4 Desktop Mini	$874.96
Desktop SFF	HP	3CJ74AV	HP EliteOne 800 G4 23.8" FHD Touch All-in-One Business PC	$1,245.34
Desktop MT	HP	2VE73AV	HP ProDesk 600 G4 Microtower PC	$1,202.42
Desktop MT	HP	2UZ41AV	HP Elitedesk 800 G4 Microtower PC	$1,221.76
High-End Desktop	HP	2YW30AV	HP Z2 SFF Workstation	$2,078.99
Tablet	HP	1BG62AV	HP Pro x2 612 G2	$1,377.73
Tablet	HP	Y5E26AV	HP Elite x2 1012 G2	$1,624.99
Zero Client	HP	2TB87AV	HP mt44 Mobile Thin Client	$855.42

- *These models have been awarded as part of the HP BPA Market Basket. If you have a requirement for a different GSS-compliant model, please contact the GSA SCO.*

- *Buyers are encouraged to request additional discounts from the BPA holder for volume purchases.*

Lightweight Laptop – EliteBook 830 G5 – 2VV36AV

BPA Price: $1,401.91

Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5-8350U with Intel UHD graphics 620 (1.7 GHz base frequency, up to 3.6 GHz with Intel Turbo Boost Technology, 6 MB cache, four cores)
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB expandable up to 16 GB	8 GB (one of 8 GB) DDR4 2133, expandable to 32 GB
Hard drive: 256 GB SSD	256 GB PCIe NVMe solid state drive
Graphics: integrated HD graphics with dual monitor support	Intel UHD graphics 620, dual monitor support
Display size: 11" or larger	13.3" diagonal FHD IPS anti-glare LED-backlit display
Display resolution: 1366 x 768 anti-glare (16:9)	1920 x 1080 resolution
Sound: stereo output	Audio by Bang & Olufsen
Speakers: integrated stereo (built-in stereo speakers)	Two integrated stereo speakers
Keyboard: ISO standard keyboard	HP® Premium Collaboration keyboard spill-resistant with drain
Webcam: integrated	Integrated HD camera
Microphone: integrated	Integrated 3 multi-array microphone
Bluetooth®: Bluetooth 4.2 +, integrated	Bluetooth 4.2
Network interface: Gigabit Ethernet/wireless	Intel dual-band wireless-AC 8265 802.11a/b/g/n/ac (2 x 2) Wi-Fi
Ports: three USB (3.0 or C) with HDMI or DisplayPort™	Two USB 3.1 (one charging), one HDMI, one Thunderbolt™/USB-C
Expansion slots: locking cable slot	Security lock slot
Weight (includes battery): 3.5 lbs or less	2.94 lbs
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0 FIPS
EPEAT: Gold	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year) three-year standard warranty includes battery	Three years, return-to-depot warranty standard on notebooks, disk retention included, three-year battery warranty

Available Options for EliteBook 830 G5 – 2VV36AV	
GSS Minimum Specifications	Contractor-Provided Specifications
Optional docking station:	HP® Thunderbolt™ dock, 120 W, G2 U.S. (2UK37AA#ABA) [$205.40]
Optional smart card reader:	Integrated in notebook
Optional keyboard and mouse:	HP slim USB keyboard and mouse (T6T83AA#ABA) [$24.04]
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional optical drive:	HP USB external DVD RW drive (F2B56AA) [$68.01]
Optional security-enabled features:	Webcam, microphone, and Bluetooth® disabled (1VW15AV, 2UL99AV, X9K56AV) [$3.45]
Optional hard drive upgrade:	512 GB PCIe NCMe solid state drive (2GA90AV) [$162.81]
Optional memory upgrade:	16 GB DDR 2400 (replaces 8 GB from above configuration) (2GA00AV) [$130.52]
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP EliteBook 830 G5 notebook PC with Intel® i7-8650U FHD touchscreen base unit (replaces 2VV36AV base unit; replace i5 label with i7 label = 1QE46AV) (2VV42AV) [$435.55]
Optional alternative CPU:	HP EliteBook 830 G5 notebook PC with Intel i5-8350U (1.7 GHz, Turbo, 6 MB L3 cache) processor, FHD privacy - HP SureView security-enhanced PC with built-in privacy filter (replaces 2VV36AV) (2VV39AV) [$109.24]
Optional alternative CPU:	HP EliteBook 830 G5 notebook PC with Intel i7-8650U (1.9 GHz, Turbo, 8 MB L3 cache) processor, FHD privacy - HP SureView security-enhanced PC with built-in privacy filter (replaces 2VV36AV) (2VV41AV) [$480.89]
Optional touchscreen:	HP EliteBook 830 G5 notebook PC with Intel i7-8650U FHD touchscreen base unit (replaces 2VV36AV base unit; replace i5 label with i7 label = 1QE46AV) (2VV42AV) [$435.55]
Optional screen protector:	HP 13.3" touchable privacy filter (3KP51AA) [$33.66]
Optional laptop carrying case:	DIB HP basic carrying case (Y4S89AV) [$19.92]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), 27", TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]
Optional docking station:	DIB HP ultraslim dock TAA (E5C22AV) [$143.58]

Lightweight Laptop – EliteBook x360 1030 G2 – 1FU91AV

BPA Price: $1,800.30

Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5-8350U with Intel UHD graphics 620 (1.7 GHz base frequency, up to 3.6 GHz with Intel Turbo Boost Technology, 6 MB cache, four cores)
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB expandable up to 16 GB	8 GB (one of 8 GB) DDR4 2133, expandable to 16 GB
Hard drive: 256 GB SSD	256 GB PCIe NVMe solid state drive
Graphics: integrated HD graphics with dual monitor support	Intel UHD graphics 620, dual monitor support
Display size: 11" or larger	13.3" diagonal FHD UWVA ultra slim with Corning® Gorilla® Glass touchscreen
Display resolution: 1366 x 768 anti-glare (16:9)	1920 x 1080 resolution
Sound: stereo output	Audio by Bang & Olufsen
Speakers: integrated stereo (built-in stereo speakers)	Four integrated premium stereo speakers
Keyboard: ISO standard keyboard	Spill-resistant backlit keyboard with drain and DuraKeys
Webcam: integrated	720p HD webcam, IR camera
Microphone: integrated	Dual microphone array
Bluetooth®: Bluetooth 4.2 +, integrated	Bluetooth 4.2
Network interface: Gigabit Ethernet/wireless	Intel dual-band wireless-AC 8265 802.11a/b/g/n/ac (2 x 2) Wi-Fi
Ports: three USB (3.0 or C) with HDMI or DisplayPort™	Two USB 3.1 (one charging), one HDMI, one Thunderbolt™/USB-C
Expansion slots: locking cable slot	Security lock slot
Weight (includes battery): 3.5 lbs or less	2.82 lbs
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0 FIPS
EPEAT: Gold	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year) three-year standard warranty includes battery	Three years, return-to-depot warranty standard on notebooks, disk retention included, three-year battery warranty

Available Options for EliteBook x360 1030 G2 – 1FU91AV	
GSS Minimum Specifications	**Contractor-Provided Specifications**
Optional docking station:	HP® Thunderbolt™ dock, 120 W, G2 U.S. (2UK37AA#ABA) [$205.40]
Optional smart card reader:	Integrated in notebook
Optional keyboard and mouse:	HP slim USB keyboard and mouse (T6T83AA#ABA) [$24.04]
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional optical drive:	HP USB external DVD RW drive (F2B56AA) [$68.01]
Optional security-enabled features:	Disabled mic (via BIOS) and Bluetooth®, webcam cannot be disabled (X9K56AV, AY109AV) [$9.39]
Optional hard drive upgrade:	512 GB, PCIe NVMe solid state drive (replaces 3RB81AV, 256 GB) (X3U39AV) [$162.81]
Optional memory upgrade:	i5 7300 16 GB, FHD touchscreen (replaces base unit) (2NS90AV) [$184.11]
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	i7-7500U (2.7 GHz, 4 MB L3 cache) processor, 8 GB system memory, FHD TS, and Intel® HD graphics - RCTO (2NS92AV) [$-70.53]
Optional alternative CPU:	i5-7300U (2.6 GHz, 3 MB L3 cache) processor,16 GB system memory, FHD HP SureView fully integrated privacy touchscreen-RCTO (replaces 1FU91AV) and clickpad backlit collaboration privacy keyboard (replaces X3W34AV) (2NS91AV) [$84.49]
Optional screen protector:	HP 13.3" touchable privacy filter (3KP51AA) [$33.66]
Optional laptop carrying case:	DIB HP business top-load carrying case (C2X79AV) [$47.41]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), 27", TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

Laptop – HP® EliteBook 840 G5 – 2WJ48AV

BPA Price: $1,245.34

Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5-8350U with Intel UHD graphics 620 (1.7 GHz base frequency, up to 3.6 GHz with Intel Turbo Boost Technology, 6 MB cache, four cores)
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB RAM, expandable up to 16 GB	8 GB (one of 8 GB) DDR4 2133, expandable to 32 GB
Hard drive: 256 GB SSD	256 GB PCIe NVMe solid state drive
Graphics: integrated HD graphics with dual monitor support	Intel UHD graphics 620, dual monitor support
Display size: 13" or larger	14" diagonal FHD IPS anti-glare LED-backlit
Display resolution: 1920 x 1080 anti-glare (16:9)	1920 x 1080
Sound: stereo output	Audio by Bang & Olufsen
Speakers: integrated stereo (built-in stereo speakers)	Two integrated stereo speakers
Keyboard: ISO standard keyboard	HP advanced keyboard, spill-resistant with drain
Webcam: integrated	HD camera
Microphone: integrated	Integrated 3 multi-array microphone
Bluetooth®: Bluetooth 4.2+, integrated	Bluetooth 4.2
Network interface: Gigabit Ethernet/wireless	Intel dual-band wireless-AC 8265 802.11a/b/g/n/ac (2 x 2) Wi-Fi; Intel Ethernet connection I219-LM 10/100/1000
Ports: three USB (3.0 or C) with HDMI or DisplayPort™	Two USB 3.1 (one charging), one HDMI, one Thunderbolt™/USB-C
Expansion slots: locking cable slot	Security lock slot
Weight (includes battery): 5 lbs or less	3.27 lbs
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0 FIPS 140-2 certified
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	Yes
Section 508 compliant: Yes	Yes
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years, return-to-depot warranty, standard on notebooks, disk retention included, three-year battery warranty

Available Options for HP® EliteBook 840 G5 – 2WJ48AV	
GSS Minimum Specifications	**Contractor-Provided Specifications**
Optional docking station:	DIP HP USB-C dock TAA G4 (3KL76AV) [$205.40]
Optional smart card reader:	Integrated in notebook
Optional keyboard and mouse:	HP slim USB keyboard and mouse (T6T83AA#ABA) [$24.04]
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional optical drive:	HP USB external DVD RW drive (F2B56AA) [$68.01]
Optional security-enabled features:	Webcam, microphone, and Bluetooth® permanently disabled at BIOS, no optical drive (1VW15AV, 2UL99AV, X9K56AV) [$3.44]
Optional hard drive upgrade:	512 GB PCIe NVMe solid state disk (2FB20AV) [$162.81]
Optional memory upgrade:	16 GB (one of 16 GB), DDR 2400 (2FB04AV) [$130.53]
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional graphics card:	Available as part of optional alternate CPU 2WJ44AV
Optional alternative CPU:	HP EliteBook 840 G5 i7 touch graphics notebook PC with i7-8650U vPro (1.9Hz with Turbo, 8 MB L3 cache) processor, 8 GB DDR4 2400, 256 GB PCIe NVMe solid state drive, with FHD touchscreen, HD camera +IR, WWAN and discrete graphics card AMD Radeon™ RX 540 graphics, Intel® 8265 ac 2 x 2, Bluetooth 4.2; integrated smart card reader, fingerprint scan, TMP 2.0 embedded security chip, self-healing BIOS-RCTO (2WJ44AV) [$539.96]
Optional alternative CPU:	HP EliteBook 840 G5 i7 notebook PC with i7-8650U (1.9 Hz with Turbo, 8 MB L3 cache) processor, with FHD, HD camera, integrated HD 720p TripleMic webcam; 8 GB DDR4 2400 RAM; 256 GB PCIe NVMe solid state drive, Intel 8265 ac 2 x 2 Bluetooth 4.2 WWAN and Intel UHD 620 graphics; 3 cell 50 WHr long-life battery, dual-point spill-resistant Collaboration KBD, integrated smart card (2WJ51AV) [$322.87]
Optional alternative CPU:	HP EliteBook 840 G5 i5 privacy notebook PC with i5-8350U (1.7 Hz with Turbo, 6 MB L3 cache) processor, with FHD privacy touchscreen (replaces 2WJ48AV), built-in privacy filter - HP SureView i5 processor, dual-point backlit spill-resistant Collaboration privacy keyboard exclusively for SureView model (2WJ55AV) [$197.84]
Optional touchscreen:	Available as part of optional alternate CPU 2WJ44AV
Optional screen protector:	HP 14.0 NB privacy filter (J6E65AA) [$35.50]
Optional laptop carrying case:	DIB HP basic carrying case (Y4S89AV) [$19.92]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]
Optional monitor cable:	HP 6.6-foot DisplayPort™ cable kit VIDCBL (VN567AA) [$17.13]
Optional docking station:	DIB HP ultraslim dock TAA (E5C22AV) [$143.58]
Optional docking station:	HP Elite USB-C docking station for Elitebook 840 G5 (3FF69AA) [$143.58]
Optional keyboard and mouse:	HP USB business slim keyboard, mouse with mouse pad (T4E63AA#ABA) [$30.71]

Laptop – HP® ProBook 640 G4 – 2TF92AV	
BPA Price: $1,241.71	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	**Contractor-Provided Specifications**
CPU: must be latest-generation processor technology	Intel® Core™ i5-8350U with Intel UHD graphics 620 (1.7 GHz base frequency, up to 3.6 GHz with Intel Turbo Boost Technology, 6 MB cache, four cores)
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB RAM, expandable up to 16 GB	8 GB (one of 8 GB) DDR4 2133, expandable to 32 GB
Hard drive: 256 GB SSD	256 GB PCIe NVMe solid state drive
Graphics: integrated HD graphics with dual monitor support	Intel UHD graphics 620, dual monitor support
Display size: 13" or larger	14" diagonal FHD IPS anti-glare LED-backlit
Display resolution: 1920 x 1080 anti-glare (16:9)	1920 x 1080
Sound: stereo output	Stereo output
Speakers: integrated stereo (built-in stereo speakers)	Two integrated stereo speakers
Keyboard: ISO standard keyboard	HP advanced keyboard, spill-resistant with drain
Webcam: integrated	720p HD camera
Microphone: integrated	Integrated dual array microphone
Bluetooth®: Bluetooth 4.2+, integrated	Bluetooth 4.2
Network interface: Gigabit Ethernet/wireless	Intel dual-band wireless-AC 8265 802.11a/b/g/n/ac (2 x 2) Wi-Fi; Intel Ethernet connection I219-LM 10/100/1000
Ports: three USB (3.0 or C) with HDMI or DisplayPort™	One USB 3.1 Type-C™ (charging), three USB 3.1 Gen 1 (one charging), one HDMI, one VGA
Expansion slots: locking cable slot	Security lock slot
Weight (includes battery): 5 lbs or less	3.8 lbs
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0 FIPS 140-2 certified
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	Yes
Section 508 compliant: Yes	Yes
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years, return-to-depot warranty, standard on notebooks, disk retention included, three-year battery warranty

Available Options for HP® ProBook 640 G4 – 2TF92AV

GSS Minimum Specifications	Contractor-Provided Specifications
Optional docking station:	DIP HP USB-C dock TAA G4 (3KL76AV) [$205.40]
Optional smart card reader:	Integrated in notebook
Optional keyboard and mouse:	HP slim USB keyboard and mouse (T6T83AA#ABA) [$24.04]
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional optical drive:	HP USB external DVD RW drive (F2B56AA) [$68.01]
Optional security-enabled features:	Webcam, microphone, and Bluetooth disabled (1VW15AV, 2UL99AV, X9K56AV) [$3.45]
Optional hard drive upgrade:	512 GB PCIe NVMe solid state disk (2FB20AV) [$162.81]
Optional memory upgrade:	16 GB (one of 16 GB), DDR 2400 (replaces 8 GB RAM from above configuration) (2GM32AV) [$130.52]
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional graphics card:	Only available with the alternate CPU model, 2TF86AV
Optional alternative CPU:	HP ProBook 640 G4 notebook PC with Intel® i7-8650U, FHD, dual-point backlit KBD, fingerprint reader, no camera, with wireless WWAN with AMD Radeon™ RX 540 discrete graphics - RCTO, 16 GB (one of 16 GB) DDR4 2400, 512 GB PCIe NVMe 3 layer cell solid state drive, dual-point backlit spill-resistant keyboard; integrated smart card, FIPS 140-2, latest generation technology (2TF86AV) [$802.41]
Optional touchscreen:	Available as part of optional alternate CPU 2WJ44AV
Optional screen protector:	HP 14.0 NB privacy filter (J6E65AA) [$35.50]
Optional laptop carrying case:	DIB HP business top-load carrying case (C2X79AV) [$47.41]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]
Optional monitor cable:	HP 6.6-foot DisplayPort™ cable kit VIDCBL (VN567AA) [$17.13]
Optional docking station:	DIB HP ultraslim dock TAA (E5C22AV) [$143.58]
Optional docking station:	HP Elite USB-C docking station for Elitebook 840 G5 (3FF69AA) [$143.58]
Optional keyboard and mouse:	HP USB business slim keyboard, mouse with mouse pad (T4E63AA#ABA) [$30.71]

High-End Laptop – EliteBook 850 G5 Notebook – 2WJ63AV	
BPA Price: $2,006.45	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	i7-8650U (1.9Hz with Turbo, 8 MB L3 cache)
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 16 GB, expandable up to 64 GB	16 GB (one of 16 GB), DDR4 2400
Hard drive: 500 GB SSD	512 GB PCIe NVMe three layer cell solid state drive
Graphics: discrete graphics card	Intel® UHD 620 graphics
Display size: 14" or larger	15.6" diagonal FHD IPS anti-glare LED-backlit
Display resolution: 1920 x 1080 anti-glare (16:9)	1920 x 1080
Sound: stereo output	Audio by Bang & Olufsen
Speakers: integrated stereo (built-in stereo speakers)	HD audio, dual speakers
Optical drive: integrated or external DVD RW (no Blu-ray)	External USB optical drive
Keyboard: ISO standard keyboard	HP Premium Collaboration keyboard
Webcam: integrated	HP privacy camera (720p HD webcam)
Microphone: integrated	Dual-array digital microphone
Bluetooth®: Bluetooth 4.2 +, integrated	Bluetooth 4.2
Network interface: Gigabit Ethernet/wireless	Intel 8265 ac 2 x 2 + Bluetooth 4.2 WW with two antennas
Ports: three USB (3.0 or C) with HDMI or DisplayPort™	One Thunderbolt™ (USB Type-C™ connector), two USB 3.1 Gen 1 (one charging), one HDMI 1.4b port
Expansion slots: locking cable slot	Security lock slot
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) version 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years return-to-depot warranty standard on notebooks, disk retention included, three-year battery warranty

Available Options for EliteBook 850 G5 Notebook – 2WJ63AV	
GSS Minimum Specifications	**Contractor-Provided Specifications**
Optional docking station:	DIB Thunderbolt™, 120 W, TAA dock (2SU52AV) [$209.57]
Optional docking station:	HP® Elite USB-C docking station for Elitebook 840/850 G5 (3FF69AA) [$145.23]
Optional keyboard and mouse:	HP slim USB keyboard and mouse (T6T83AA#ABA) [$24.04]
Optional keyboard and mouse:	HP USB business slim keyboard, mouse with mouse pad (T4E63AA#ABA) [$30.71]
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional security-enabled features:	Webcam, microphone, and Bluetooth® permanently disabled at BIOS, no optical drive, network default to wired (1VW15AV, 2UL99AV, X9K56AV) [$28.63]
Optional smart card reader:	Integrated into notebook
Optional hard drive upgrade:	1TB PCIe NVMe solid state disk (2FH70AV) [$294.39]
Optional memory upgrade:	32 GB, DDR4 RAM (2FH62AV) [$266.35]
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP EliteBook 850 G5 notebook PC with i7-8650U (1.9 Hz with Turbo, 8 MB L3 cache) processor, with FHD touchscreen, HD camera +IR,and discrete AMD Radeon™ RX 540 graphics-RCTO (2WJ61AV) [$211.07]
Optional touchscreen:	Included in alternate CPU only (2WJ61AV)
Optional screen protector:	HP 15.6 NB privacy filter (J7H71AA) [$43.22]
Optional laptop carrying case:	HP Essential top-load case (H2W17AA#ABA) [$20.32]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant, HP VH27, 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

High-End Laptop – HP® ZBook 15 G5 Mobile Workstation – 4PY40AV

BPA Price: $2,461.46

Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i7-8850H vPro™ processor (2.6 GHz base frequency, up to 4.3 GHz with Intel Turbo Boost Technology, 9 MB cache, six cores)
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 16 GB, expandable up to 64 GB	16 GB (one of 16 GB), DDR4 2666, expandable to 32 GB RAM
Hard drive: 500 GB SSD	512 GB PCIe NVMe three layer cell solid state drive
Graphics: discrete graphics card	Nvidia® Quadro® P1000 (4 GB GDDR5 dedicated), dual monitor support
Display size: 14" or larger	15.6" diagonal FHD IPS anti-glare LED-backlit
Display resolution: 1920 x 1080 anti-glare (16:9)	1920 x 1080
Sound: stereo output	Audio by Bang & Olufsen
Speakers: integrated stereo (built-in stereo speakers)	HD audio, dual speakers
Optical drive: integrated or external DVD RW (no Blu-ray)	External USB optical drive
Keyboard: ISO standard keyboard	HP Premium Collaboration keyboard
Webcam: integrated	HP privacy camera (720p HD webcam)
Microphone: integrated	Dual-array digital microphone
Bluetooth®: Bluetooth 4.2 +, integrated	Bluetooth 5.0
Network interface: Gigabit Ethernet/wireless	Intel I219-LM gigabit network connection; Intel dual-band wireless-AC 9560 802.11ac (2 x 2) Wi-Fi
Ports: three USB (3.0 or C) with HDMI or DisplayPort™	Left side: one RJ-45, two USB 3.0, one USB 3.0 (charging); Right side: one HDMI 2.0; two USB 3.1 Type-C™ Thunderbolt™ 3 (DisplayPort 1.3), one mini DisplayPort
Expansion slots: locking cable slot	Security lock slot
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) version 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years return-to-depot warranty standard on notebooks, disk retention included, three-year battery warranty

Available Options for HP® ZBook 15 G5 Mobile Workstation – 4PY40AV

GSS Minimum Specifications	Contractor-Provided Specifications
Optional docking station:	DIB Thunderbolt™ dock, 230 W, TAA (2SU56AV) [$183.64]
Optional keyboard and mouse:	HP slim USB keyboard and mouse (T6T83AA#ABA) [$24.04]
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional security-enabled features:	HP RCTO DSC P1000, 4 GB, i7-8850H FHD220 no camera 15 G5 base notebook PC, Bluetooth®, and microphone permanently disabled (3VC86AV) [$-165.73]
Optional smart card reader:	Integrated into notebook
Optional hard drive upgrade:	1 TB PCIe NVMe solid state disk (2YX61AV) [$283.87]
Optional memory upgrade:	32 GB RAM (two of 16 GB) (2YX50AV) [$280.36]
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP RCTO DSC P2000 4 GB E-2176M, 8 GB FHD privacy touchscreen with SureView for HD camera + IR 15 G5 Base NB PC (3VC87AV) [$242.24]
Optional touchscreen:	Included in alternate CPU 3VC87AV
Optional screen protector:	HP 15.6 notebook privacy filter (J7H71AA) [$43.22]
Optional laptop carrying case:	HP Essential top-load case (H2W17AA#ABA) [$20.32]
Optional laptop carrying case:	HP Essential messenger case (up to 17.3") (H1D25AA) [$21.03]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant, HP VH27, 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

High-End Laptop – HP® ZBook 17 G5 Mobile Workstation – 3VC51AV

BPA Price: $2,318.39

Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i7-8750H (2.2 GHz base frequency, up to 4.1 GHz with Intel Turbo Boost Technology, 9 MB cache, six cores)
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 16 GB, expandable up to 64 GB	16 GB DDR4, expandable to 64 GB RAM
Hard drive: 500 GB SSD	512 GB PCIe NVMe three layer cell solid state drive
Graphics: discrete graphics card	Nvidia® Quadro® P1000 (4 GB GDDR5 dedicated)
Display size: 14" or larger	17.3" UHD (3840 x 2160) LED UWVA for HD webcam + IR slim touchscreen
Display resolution: 1920 x 1080 anti-glare (16:9)	1920 x 1080
Sound: stereo output	Audio by Bang & Olufsen
Speakers: integrated stereo (built-in stereo speakers)	HD audio, dual speakers
Optical drive: integrated or external DVD RW (no Blu-ray)	Integrated Blu-ray/DVD-RW drive
Keyboard: ISO standard keyboard	HP Premium Collaboration keyboard
Webcam: integrated	HP Privacy HD IR camera 720p
Microphone: integrated	Dual-array digital microphone
Bluetooth®: Bluetooth 4.2 +, integrated	Bluetooth 4.2
Network interface: Gigabit Ethernet/wireless	Intel I219-LM gigabit network connection; Intel dual-band wireless-AC 9560 802.11ac (2 x 2) Wi-Fi
Ports: three USB (3.0 or C) with HDMI or DisplayPort™	Left side: one RJ-45, two USB 3.0; one USB 3.0 (charging); Right side: one HDMI 2.0, two USB 3.1 Type-C™ Thunderbolt™ 3 (DisplayPort 1.3), one mini DisplayPort
Expansion slots: locking cable slot	Security lock slot
Platform integrity: TPM version 2.0	Common Criteria EAL4+ augmented certified discrete Trusted Platform Module (TPM) 2.0, embedded security chip
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years return-to-depot warranty standard on notebooks, disk retention included, three-year battery warranty

Available Options for HP® ZBook 17 G5 Mobile Workstation – 3VC51AV

GSS Minimum Specifications	Contractor-Provided Specifications
Optional docking station:	DIB Thunderbolt™ dock, 230 W, TAA (2SU56AV) [$$183.64]
Optional keyboard and mouse:	HP slim USB keyboard and mouse (T6T83AA#ABA) [$24.04]
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional security-enabled features:	Webcam, microphone, and Bluetooth® disabled at BIOS, no optical drive, network default to wired (2MC34AV, 2UM00AV, X9K54AV) [$27.30]
Optional smart card reader:	Integrated into notebook
Optional hard drive upgrade:	1 TB PCIe NVMe solid state disk (2YX61AV) [$283.87]
Optional memory upgrade:	32 GB RAM (two of 16 GB) (2YX50AV) [$280.36]
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional laptop carrying case:	HP Essential messenger case (up to 17.3") (H1D25AA) [$21.03]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant, HP VH27, 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

Smarter Buying for HP Desktop and Laptop Computers

Desktop SFF – HP® ProDesk 600 G4 SFF – 2VG42AV

BPA Price: $929.77

Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5 8500 3.0, 2666 MHz, six cores, 65 W, CPU
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB RAM, expandable up to 16 GB	8 GB RAM, expandable to 64 GB, DDR4
Hard drive: 256 GB SSD	256 GB solid state drive
Display/graphics: integrated HD graphics with dual monitor support	Integrated Intel with dual monitor support
Sound: stereo output	Stereo output
Speakers: integrated headphone and stereo speaker jacks or via splitter	One CTIA headset UAJ, internal amp and speaker
Mouse: USB or wireless optical mouse with scroll	USB optical mouse
Keyboard: USB or wireless keyboard	USB smart card reader keyboard
Network interface: Gigabit Ethernet or wireless	Intel i219LM GbE LOM
Ports: four USB ports (at least two USB 3.0 or C), support for dual digital outputs (DisplayPort™ or HDMI)	Front: one USB-CTM 3.1 Gen 1, two USB 3.1 Gen2 (TBD), one USB 2.0, one USB 2.0 with fast charging port; Rear: two USB 3.1 Gen2 (TBD), two USB 3.1 Gen 1, two USB 2.0, two DP
Expansion slots: two PCI slots available (PCI and/or PCIe)	One PCIe x16, one PCIe x16 (wired x4), one M.2 2230 for optional WLAN/Bluetooth®15, one M.2 2280 for optional solid state drive
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years on-site service with disk retention included

Available Options for HP® ProDesk 600 G4 SFF – 2VG42AV	
GSS Minimum Specifications	Contractor-Provided Specifications
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional graphics card upgrade:	AMD Radeon™ R7 430 2GB discrete graphics (2VG57AV) [$69.38]
Optional smart card reader:	Integrated into keyboard in desktop system (NA)
Optional optical drive:	Integrated DVD writer (2VH24AV) [$13.05]
Optional disk drive (primary):	512 GB solid state drive with caddy (2VH59AV) [$173.12]
Optional memory upgrade:	16 GB (eight of 2 GB), DDR4 (replaces RAM above) (3EK53AV) [$130.53]
Optional warranty:	Four years on-site warranty with disk retention (UE333E) [$65.94]
Optional warranty:	Five years on-site warranty with disk retention (UE334E) [$109.23]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP ProDesk 600 G4 Small Form Factor business PC; Intel® Core™ i7-8700 3.2G, 12M 2666, six cores, 65 W, 8 GB (two of 4 GB), DDR4-2666 DIMM, 256 GB solid state disk SATA TLC 2.5 with caddy; Windows 10 Pro 64, Platinum 180 W Chassis (2VG50AV) [$116.79]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

Desktop SFF – HP® EliteDesk 800 G4 SFF – 2US83AV	
BPA Price: $927.36	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	**Contractor-Provided Specifications**
CPU: must be latest-generation processor technology	Intel® Core™ i5 8500 3.0, 2666 MHz, six cores, 65 W, CPU
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB RAM, expandable up to 16 GB	8 GB RAM, expandable to 64 GB, DDR4
Hard drive: 256 GB SSD	256 GB solid state drive
Display/graphics: integrated HD graphics with dual monitor support	Integrated Intel with dual monitor support
Sound: stereo output	Stereo output
Speakers: integrated headphone and stereo speaker jacks or via splitter	One CTIA headset UAJ, rear line in/out
Mouse: USB or wireless optical mouse with scroll	USB optical mouse
Keyboard: USB or wireless keyboard	USB smart card reader keyboard
Network interface: Gigabit Ethernet or wireless	Intel i219LM GbE LOM
Ports: four USB ports (at least two USB 3.0 or C), support for dual digital outputs (DisplayPort™ or HDMI)	Front: one USB-CTM 3.1 Gen 1, two USB 3.1 Gen2 (TBD), one USB 2.0, one USB 2.0 with fast charging port; Rear: two USB 3.1 Gen2 (TBD), two USB 3.1 Gen 1, two USB 2.0, two DP
Expansion slots: two PCI slots available (PCI and/or PCIe)	One PCIe x16, one PCIe x16 (wired x4), one M.2 2230 for optional WLAN/Bluetooth15, one M.2 2280 for optional solid state drive
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years on-site service with disk retention included

Available Options for HP® EliteDesk 800 G4 SFF – 2US83AV

GSS Minimum Specifications	Contractor-Provided Specifications
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional graphics card upgrade:	AMD Radeon™ R7 430, 2 GB (2UT04AV) [$74.99]
Optional smart card reader:	Integrated into keyboard in desktop system (NA)
Optional optical drive:	Integrated DVD writer (2UT94AV) [$13.32]
Optional disk drive (primary):	512 GB solid state drive (2UU47AV) [$166.12]
Optional memory upgrade:	16 GB (two of 8 GB) (3FJ40AV) [$133.17]
Optional warranty:	Four years on-site warranty with disk retention (UE333E) [$65.92]
Optional warranty:	Five years on-site warranty with disk retention (UE334E) [$109.23]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP EliteDesk 800 G4 Small Form Factor PC Intel® i7-8700 3.2, 2666 MHz, six cores CPU; 8 GB (two of 4 GB), DDR4, 2666 DIMM memory, 256 GB SATA three layer cell solid state drive; USB business slim wired smart card CCID keyboard U.S. (2US94AV) [$148.59]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]
Optional monitor cable:	HP 6.6-foot DisplayPort™ cable kit VIDCBL (VN567AA) [$17.13]

Desktop SFF – HP® ProDesk 600 G4 Desktop Mini – 2YE29AV	
BPA Price: $867.91	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5 8500 3.0, 2666 MHz, six cores, 65 W, CPU
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB RAM, expandable up to 16 GB	8 GB (one of 8 GB), DDR4, 2666, SODIMM memory
Hard drive: 256 GB SSD	256 GB M.2 2280 PCIe NVMe solid state drive
Display/graphics: integrated HD graphics with dual monitor support	Integrated Intel graphics with discrete graphics slot
Sound: stereo output	Stereo output
Speakers: integrated headphone and stereo speaker jacks or via splitter	One CTIA headset UAJ, internal amp and speaker
Mouse: USB or wireless optical mouse with scroll	USB optical mouse
Keyboard: USB or wireless keyboard	USB smart card reader keyboard
Network interface: Gigabit Ethernet or wireless	Intel i219LM GbE LOM
Ports: four USB ports (at least two USB 3.0 or C), support for dual digital outputs (DisplayPort™ or HDMI)	Three USB 3.1 Gen 1: one front, two rear (3) USB 3.1 Gen 2: (1) front, (2) rear (2) DisplayPorts 1.2 (rear) (1) USB 3.1 Gen 2 Type-C™ port (front)
Expansion slots: two PCI slots available (PCI and/or PCIe)	One M.2 PCIe x1 2230 (for WLAN) (2) M.2 PCIe x4 2280/2230 Combo (for storage) (1) DM SATA storage connector
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years on-site service with disk retention included

Available Options for HP® ProDesk 600 G4 Desktop Mini – 2YE29AV	
GSS Minimum Specifications	**Contractor-Provided Specifications**
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional graphics card upgrade:	AMD Radeon™ R7 430, 2 GB graphics (2VE92AV) [$69.39]
Optional smart card reader:	Integrated into keyboard in desktop system (NA)
Optional optical drive:	HP desktop mini DVD writer ODD expansion module (K9Q83AA) [$76.40]
Optional disk drive (primary):	512 GB M.2 PCIe NVMe solid state drive (2YF06AV) [$166.12]
Optional memory upgrade:	16 GB RAM (two of 8 GB) (3EZ86AV)
Optional warranty:	Four years on-site warranty with disk retention (UE333E) [$65.92]
Optional warranty:	Five years on-site warranty with disk retention (UE334E) [$109.23]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP ProDesk 600 G4 desktop mini TAA PC Intel® Core™ i7 8700T 2.4, 2666 MHz, six cores, 35 W processor, 8 GB RAM, 256 GB solid state drive (2VE83AV) [$148.59]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]
Optional monitor cable:	HP 6.6-foot DisplayPort™ cable kit VIDCBL (VN567AA) [$17.13]

Desktop SFF – HP® EliteDesk 800 G4 Desktop Mini – 2YH19AV	
BPA Price: $874.96	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5 8500 3.0, 2666 MHz, six cores, 65 W, CPU
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB RAM, expandable up to 16 GB	8 GB (one of 8 GB), DDR4, 2666, SODIMM memory
Hard drive: 256 GB SSD	256 GB M.2 2280 PCIe NVMe solid state drive
Display/graphics: integrated HD graphics with dual monitor support	Integrated Intel graphics
Sound: stereo output	Stereo output
Speakers: integrated headphone and stereo speaker jacks or via splitter	One CTIA headset UAJ, rear line in/out
Mouse: USB or wireless optical mouse with scroll	USB optical mouse
Keyboard: USB or wireless keyboard	USB smart card reader keyboard
Network interface: Gigabit Ethernet or wireless	Intel i219LM GbE LOM
Ports: four USB ports (at least two USB 3.0 or C), support for dual digital outputs (DisplayPort™ or HDMI)	Three USB 3.1 Gen 1: one front, two rear (3) USB 3.1 Gen 2: (1) front, (2) rear (3) USB Type-C™ 3.1 Gen 2, (1) front (2) DisplayPort 1.2 (rear)
Expansion slots: two PCI slots available (PCI and/or PCIe)	One M.2 PCIe x1 2230 (for WLAN) (2) M.2 PCIe x4 2280/2230 combo (for storage)
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years on-site service with disk retention included

Available Options for HP® EliteDesk 800 G4 Desktop Mini – 2YH19AV	
GSS Minimum Specifications	Contractor-Provided Specifications
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional smart card reader:	Integrated into keyboard in desktop system (NA)
Optional optical drive:	HP desktop mini DVD writer ODD expansion module (K9Q83AA) [$76.40]
Optional disk drive (primary):	512 GB solid state drive M.2 PCIe NVMe TLC (2YJ19AV) [$134.57]
Optional memory upgrade:	16 GB (one of 16 GB), DDR4-2666 SODIMM (2YH95AV) [$133.17]
Optional warranty:	Four years on-site warranty with disk retention (UE333E) [$65.92]
Optional warranty:	Five years on-site warranty with disk retention (UE334E) [$109.23]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP EliteDesk 800 G4, desktop mini TAA PC, Intel® Core™ i7 8700, 65 W, CPU, 8 GB RAM, 256 GB solid state drive (2UZ50AV) [$277.56]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

Desktop SFF – HP® EliteOne 800 G4 23.8" FHD Touch All-in-One Business PC – 3CJ74AV	
BPA Price: $1,245.34	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5 8500 3.0, 2666 MHz, six cores, 65 W, CPU
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 8 GB RAM, expandable up to 16 GB	8 GB (one of 8 GB), DDR4, 2666, SODIMM memory
Hard drive: 256 GB SSD	256 GB solid state drive M.2 PCIe NVMe
Display/graphics: integrated HD graphics with dual monitor support	Integrated Intel graphics
Sound: stereo output	Conexant™ CX5001 codec
Speakers: integrated headphone and stereo speaker jacks or via splitter	One headphone, one headset connector
Mouse: USB or wireless optical mouse with scroll	USB optical mouse
Keyboard: USB or wireless keyboard	HP business slim smart card CCID wired keyboard
Network interface: Gigabit Ethernet or wireless	Intel i219LM GbE LOM
Ports: four USB ports (at least two USB 3.0 or C), support for dual digital outputs (DisplayPort™ or HDMI)	Rear: one audio out, one DisplayPort 1.2; 1 HDMI; 1 power connector; 1 RJ-45; 1 USB 3.1 Type-C™ ; 2 USB 3.1 Gen 1; 4 USB 3.1 Gen 2
Expansion slots: two PCI slots available (PCI and/or PCIe)	One M.2 2230, two M.2
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years on-site service with disk retention included

Available Options for HP® EliteOne 800 G4 23.8" FHD Touch All-in-One Business PC – 3CJ74AV	
GSS Minimum Specifications	Contractor-Provided Specifications
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	AIO internal stereo speakers (4KL14AV) [$5.61]
Optional smart card reader:	Integrated into keyboard in desktop system (NA)
Optional optical drive:	Integrated DVD writer AIO (3DC10AV) [$12.61]
Optional disk drive (primary):	512 GB M.2 PCIe NVMe SSD (3EA27AV) [$134.57]
Optional memory upgrade:	16 GB, DDR RAM (3DC13AV) [$133.17]
Optional warranty:	Four years on-site warranty with disk retention (UE333E) [$65.92]
Optional warranty:	Five years on-site warranty with disk retention (UE334E) [$109.23]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP EliteOne 800 G4 23.8" FHD Touch All-In-One PC Intel® Core™ i7-8700 3.2 G, 12M 2666, six cores, 65 W (3DB91AV) [$148.59]

Desktop MT – HP® ProDesk 600 G4 Microtower PC – 2VE73AV

BPA Price: $1,202.42

Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5 8500 3.0, 2666 MHz, six cores, 65 W, CPU
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 16 GB, expandable up to 32 GB	16 GB RAM, expandable to 64 GB, DDR4
Hard drive: 500 GB SSD	512 GB solid state drive
Display/graphics: integrated HD graphics with dual monitor support and a slot available for a discrete card	Integrated Intel graphics with discrete graphics slot
Sound: stereo output	Stereo output
Speakers: integrated headphone and stereo speaker jacks or via splitter	One CTIA headset UAJ, internal amp and speaker
Optical drive: not required	N/A
Mouse: USB or wireless optical mouse with scroll	USB optical mouse
Keyboard: USB or wireless keyboard	USB smart card reader keyboard
Network interface: Gigabit Ethernet or wireless	Intel i219LM GbE LOM
Ports: four USB ports (at least three USB 3.0 or C), support for dual monitors	Front: one USB-C 3.1 Gen2, two Type-A™ with USB 3.1 Gen2, two Type-A with USB 2.0 (one charging); Rear: two USB 3.1 Gen2 (TBD), two USB 3.1 Gen 1, two USB 2.0, two DP
Expansion slots: two PCI slots available (PCI and/or PCIe)	One PCIe x16, two PCIe x1, one PCIe x16 wired x4, one M.2 2230 for optional WLAN/Bluetooth® 15, one M.2 2280 for optional solid state drive
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years on-site service with disk retention included

Available Options for HP® ProDesk 600 G4 Microtower PC – 2VE73AV	
GSS Minimum Specifications	Contractor-Provided Specifications
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional graphics card upgrade:	AMD Radeon™ R7 430 2 GB graphics (2VE92AV) [$68.01]
Optional security-enabled features:	No webcam or Bluetooth® included (NA)
Optional smart card reader:	Integrated into keyboard (NA)
Optional optical drive:	Integrated 9.5 mm DVD writer (2VF71AV) [$13.05]
Optional disk drive (primary):	1 TB M.2 PCIe NVMe solid state drive (2VF88AV) [$278.23]
Optional memory upgrade:	32 GB (two of 16 GB), DDR4 (2VF82AV) [$261.05]
Optional warranty:	Four years on-site warranty with disk retention (UE333E) [$65.94]
Optional warranty:	Five years on-site warranty with disk retention (UE334E) [$109.23]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP ProDesk 600 G4 MT business PC; Intel® vPro Core™ i7-8700 3.2 G, 12M 2666 6C; 512 GB solid state drive, M.2 PCIe NVMe TLC; 16 GB (two of 8 GB), DDR4-2666 DIMM; Windows 10 Pro 64; slim smart card CCID wired keyboard; optical USB mouse, HDMI port (2VE83AV) [$116.79]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant, HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

Desktop MT – HP® Elitedesk 800 G4 Microtower PC – 2UZ41AV

BPA Price: $1,221.76

Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Core™ i5 8500 3.0, 2666 MHz, six cores, 65 W, CPU
O/S: Windows® 10 Pro 64	Windows 10 Pro 64
RAM: 16 GB, expandable up to 32 GB	16 GB (two of 8 GB), DDR4-2666 DIMM
Hard drive: 500 GB SSD	512 GB solid state drive
Display/graphics: integrated HD graphics with dual monitor support and a slot available for a discrete card	Integrated Intel graphics with discrete graphics slot
Sound: stereo output	Stereo output
Speakers: integrated headphone and stereo speaker jacks or via splitter	One CTIA headset UAJ, rear line in/out
Optical drive: not required	N/A
Mouse: USB or wireless optical mouse with scroll	USB optical mouse
Keyboard: USB or wireless keyboard	USB smart card reader keyboard
Network interface: Gigabit Ethernet or wireless	Intel i219LM GbE LOM
Ports: four USB ports (at least three USB 3.0 or C), support for dual monitors	Front: Type-C™ with USB 3.1 Gen 2, two Type-A™ with USB 3.1 Gen 2, two Type-A with USB 2.0 (one charging); Rear: two Type-A with USB 3.1 Gen 2, two Type-A with USB 3.1 Gen 1, two Type-A with USB 2.0
Expansion slots: two PCI slots available (PCI and/or PCIe)	One PCIe 3.0, x16 slot, one PCIe 3.0, x16 slot (x4 signaling) for Optane™ support, two PCIe 3.0, x1 slots
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years on-site service with disk retention included

Available Options for HP® Elitedesk 800 G4 Microtower PC – 2UZ41AV

GSS Minimum Specifications	Contractor-Provided Specifications
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional graphics card upgrade:	AMD Radeon™ R7 430, 2 GB discrete graphics (2UZ65AV) [$73.59]
Optional security-enabled features:	No webcam or Bluetooth® included (NA)
Optional smart card reader:	Integrated into keyboard (NA)
Optional optical drive:	Internal DVD writer (2VA18AV) [$13.32]
Optional disk drive (primary):	1 TB M.2 PCIe NVMe SSD (2VC36AV) [$294.39]
Optional memory upgrade:	32 GB (two of 16 GB), DDR4 (2VA20AV) [$266.35]
Optional warranty:	Four years on-site warranty with disk retention (UE333E) [$65.94]
Optional warranty:	Five years on-site warranty with disk retention (UE334E) [$109.23]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP ProDesk 800 G4 MT business PC, Intel® Core™ i7-8700, 3.2 G, 12M 2666, six cores, 65 W, 512 GB solid state drive, M.2 PCIe NVMe TLC; 16 GB (two of 8 GB), DDR4-2666 DIMM; Windows® 10 Pro 64; slim smart card CCID wired keyboard; optical USB mouse, HDMI port (2UZ50AV) [$148.59]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant, HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

High-End Desktop – HP® Z2 SFF Workstation – 2YW30AV

BPA Price: $2,078.99

| Current GSS Minimum Specifications
(Stated values are minimums unless otherwise noted)	Contractor-Provided Specifications
CPU: must be latest-generation processor technology	Intel® Xeon® processor E-2124G, six cores, 3.2, 8 MB, 2666 MHz
O/S: Windows® 10 Pro 64	Windows 10 Pro 64 Workstations U.S.
RAM: 32 GB, expandable up to 64 GB	32 GB (two of 16 GB), DDR4, 2666 DIMM ECC unbuffered memory
Hard drive: 256 GB SSD and a 1 TB SATA	Z Turbo drive 256 GB, three layer cell solid state drive 1TB SATA Solid State Drive
Display/graphics: discrete graphics card	Nvidia® Quadro® P400, 2 GB, (3)mDP GFX
Sound: stereo output	Integrated Conexant™ CX20632 5.1 HDA codec
Speakers: integrated headphone and stereo speaker jacks or via splitter	One combo microphone/headphone
Optical drive: DVD RW (no Blu-ray) DVD with all applicable hardware drivers, both 32Bit and 64Bit	9.5 mm DVD writer 1st ODD
Mouse: USB or wireless optical mouse with scroll	USB optical mouse
Keyboard: USB or wireless keyboard	USB business slim wired smart card CCID keyboard
Network interface: Gigabit Ethernet or wireless	Integrated Intel I219LM PCIe GbE controller
Ports: six USB ports (at least four USB 3.0 or C), support for dual monitors	VGA port, one USB-A 3.0, one USB-A 3.0 charging data port, four USBA 3.0 ports, 2 USB-A 2.0 ports, 1 serial port (standard)
Expansion slots: two PCI slots available (PCI and/or PCIe)	One PCIe Gen3 x16 slot, one PCIe Gen3 x1 slot /x4 connector, one PCIe Gen3 x1 slot /x4 connector 1 PCIe Gen3 x4 slot /x16 connector
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	Three years on-site with disk retention

Available Options for HP® Z2 SFF Workstation – 2YW30AV

GSS Minimum Specifications	Contractor-Provided Specifications
Optional monitor:	HP VH24 monitor (M1T03AA#ABA) [$184.80]
Optional speakers:	HP USB business speakers v2 (N3R89AA) [$21.75]
Optional disk drive (primary):	Z Turbo 512 GB drive (replaces 256 GB drive) (2ZQ44AV) [$113.54]
Optional memory upgrade:	64 GB (four of 16 GB), 2666 ECC RAM (2ZQ06AV) [$749.97]
Optional warranty:	HP four-year next-business-day on-site hardware support with Defective Media Retention for workstation (U1G56E) [$73.59]
Optional warranty:	HP five-year next-business-day on-site hardware support with Defective Media Retention for workstation (U1G57E) [$132.47]
Optional imaging - pre-supplied:	HP PC Image Load Service (AY100AV) [$34.01]
Optional imaging - image provided with order:	HP PC Image Load Service (AY100AV) [$34.01]
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional alternative CPU:	HP Z240-Z2 Small Form Factor Intel® Xeon® E-2144G 4CPU (3MD58AV) [$72.19]
Optional monitor:	HP VH27, LED monitor, full HD (1080p), TAA compliant HP VH27 27" monitor with four-way ergonomics and a large FHD screen (2KZ36AA#ABA) [$239.75]

Tablet – HP® Pro x2 612 G2 – 1BG62AV	
BPA Price: $1,377.73	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	**Contractor-Provided Specifications**
CPU: must be latest-generation processor technology	Intel® i5-7Y57 (1.1 GHz, 4 MB L3 cache) processor
O/S: Windows® 10 Pro 64	Windows 10 Pro 64, U.S.
RAM: 8 GB	8 GB system memory
Hard drive: 128 GB	128 GB M2 SATA-3 value solid state drive
Graphics: integrated HD graphics	Intel graphics 615
Display size: 9" minimum	12" display
Display resolution: 1920 x 1080	1920 x 1280
Touchscreen: yes	Yes
Sound: stereo output	Audio-out/audio-in combo jack
Speakers: integrated stereo (built-in stereo speakers)	Integrated stereo speakers
Webcam: front and rear facing	Front and back integrated cameras
Microphone: integrated	Integrated dual-microphone array
Bluetooth®: Bluetooth 4.2 +, integrated	Bluetooth 4.2 WW
Network interface: Wi-Fi mandatory, cellular (4 G) optional	Intel 8265 ac 2 x 2
Ports: USB (3.0 or C) with HDMI or DisplayPort™	One USB Type-C™ and one USB A 3.0
Weight: 2.2 lbs maximum	1.87 lbs
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	HP three-year pickup and return, with Defective Media Retention, notebook-only service

Available Options for HP® Pro x2 612 G2 – 1BG62AV	
GSS Minimum Specifications	Contractor-Provided Specifications
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional keyboard:	HP x2 612 Collaboration keyboard (1FV38AA) [$137.39]
Optional slot:	Memory card slot is a standard feature
Optional stand:	Included in tablet display
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional smart card reader:	Included in tablet display
Optional input device:	WACOM AES pen with app launch button (Y5Z37AV) [$33.66]
Optional carrying case:	HP slim top-load carrying case (F3W15AA) [$40.53]
Optional screen protector:	Not available

Tablet – HP® Elite x2 1012 G2 – Y5E26AV	
BPA Price: $1,624.99	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	**Contractor-Provided Specifications**
CPU: must be latest-generation processor technology	Intel® i5-7300U (2.6 GHz, with Turbo, 3 MB L3 cache)
O/S: Windows® 10 Pro 64	Windows 10 Pro 64, U.S.
RAM: 8 GB	8 GB system memory
Hard drive: 128 GB	128 GB M.2 SATA solid state drive
Graphics: integrated HD graphics	Intel HD graphics 620
Display size: 9" minimum	12.3" diagonal WQXGA+ direct bonded with Corning® Gorilla® Glass 4 ultra-slim LED-backlit touchscreen
Display resolution: 1920 x 1080	2736 x 1824
Touchscreen: yes	Yes
Sound: stereo output	Audio by Bang & Olufsen
Speakers: integrated stereo (built-in stereo speakers)	Dual speakers (front facing)
Webcam: front and rear facing	5 MP front-facing camera with LED indicator; 8 MP rear-facing camera with flash LED
Microphone: integrated	Integrated dual-microphone array
Bluetooth®: Bluetooth 4.2 +, integrated	Bluetooth 4.2 combo
Network interface: Wi-Fi mandatory, cellular (4 G) optional	Intel 8265 ac 2 x 2
Ports: USB (3.0 or C) with HDMI or DisplayPort™	One USB 3.1 Type-C™ with Thunderbolt™ support (docking, charging and data transfer); one USB 3.0
Weight: 2.2 lbs maximum	1.77 lbs (tablet only)
Platform integrity: TPM version 2.0	Trusted Platform Module (TPM) 2.0
EPEAT: Gold (Silver or Gold for tablets only)	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	HP three-year pickup and return, with Defective Media Retention, notebook-only service

Available Options for HP® Elite x2 1012 G2 – Y5E26AV	
GSS Minimum Specifications	Contractor-Provided Specifications
Optional asset tagging:	HP customer-supplied asset tagging service (AY112AV) [$45.34]
Optional keyboard:	HP Collaboration keyboard (Y5E61AV) [$110.60]
Optional slot:	Memory card slot is a standard feature
Optional stand:	Included in tablet display
Optional warranty:	HP four-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ408E) [$81.75]
Optional warranty:	HP five-year pickup-and-return, with Defective Media Retention, notebook-only service (UJ409E) [$176.55]
Optional smart card reader:	HP advanced keyboard with smart card reader (P5Q64AV) [$158.01]
Optional carrying case:	HP slim top-load (F3W15AA) [$40.53]
Optional screen protector:	Not available

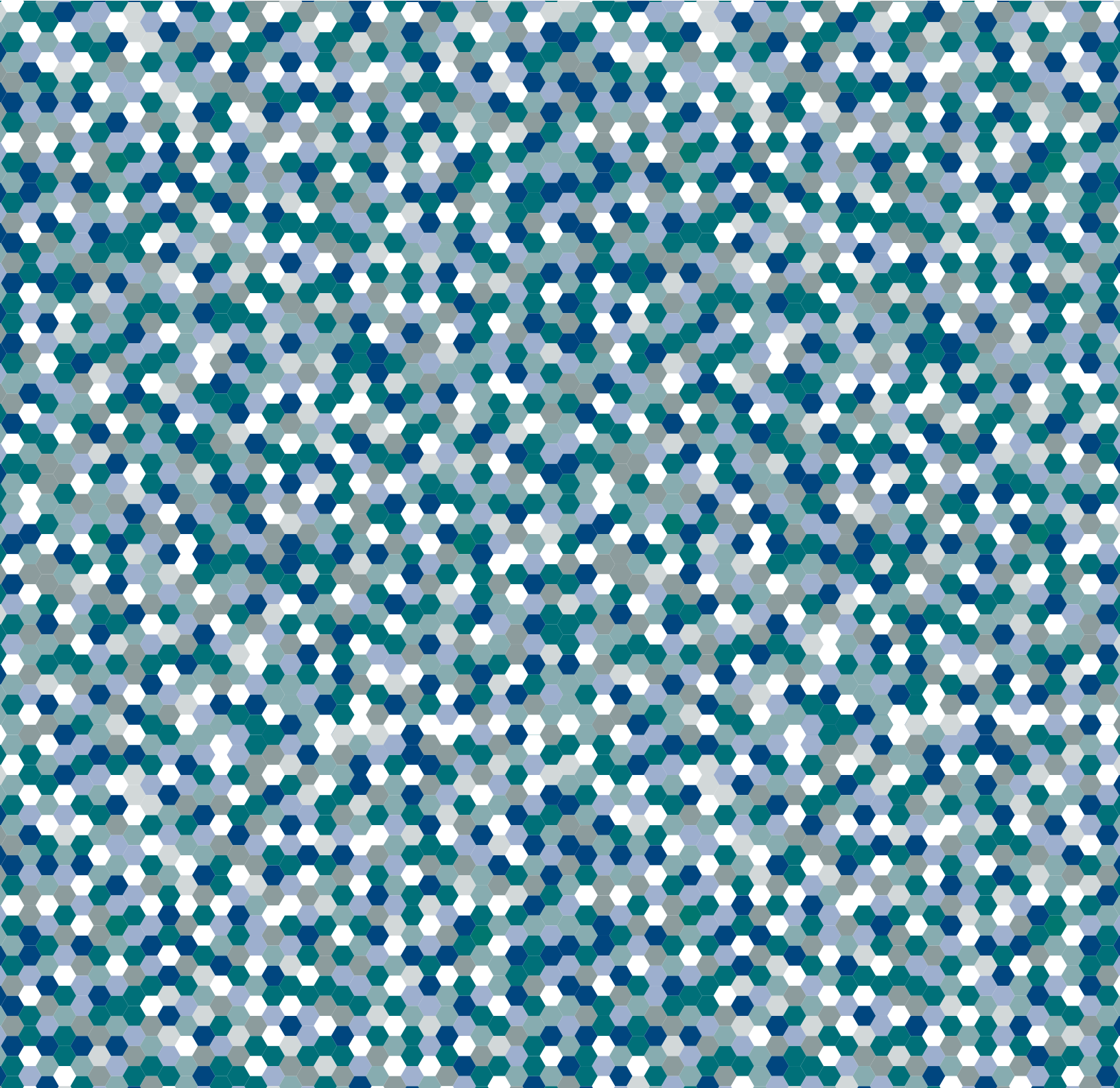| Zero Client – HP® mt44 Mobile Thin Client – 2TB87AV	
BPA Price: $855.42	
Current GSS Minimum Specifications *(Stated values are minimums unless otherwise noted)*	**Contractor-Provided Specifications**
CPU: must be latest-generation processor technology	MD Ryzen™ 3 PRO 2300U (2.0 GHz base frequency, up to 3.4 GHz burst frequency, 6 MB cache, four cores)
O/S: varies based on virtual machine solution	Windows® 10 IoT Enterprise 2016 LTSB 64-bit value U.S.
RAM: 4 GB	8 GB (two of 4 GB), DDR4 2400
Hard drive: 16 GB	128 GB M.2 flash drive
Graphics: integrated HD graphics	Radeon™ Vega graphics
Display size: 11" or larger	14" FHD7 anti-glare LED-backlit
Display resolution: 1366 x 768 (16:9) or better resolution	(1920 x 1080) 220 nits
Sound: stereo output	Audio by Bang & Olufsen
Speakers: integrated stereo (built-in stereo speakers)	Two integrated stereo speakers
Keyboard: ISO standard keyboard	HP Premium Collaboration keyboard with dual-point, minor spill-resistant with drain
Webcam: integrated	Integrated privacy camera
Microphone: integrated	Integrated 3 multi-array microphone
Bluetooth®: Bluetooth 4.2 +, integrated	Bluetooth 4.2
Network interface: wireless, optional Ethernet (dongle acceptable)	Intel® dual-band wireless-AC 8265 Wi-Fi; 10/100/1000 Mbps Ethernet
Ports: USB (3.0 or C)	Two USB 3.1 gen 1 (one charging), one DisplayPort™ over USB Type-C™, one HDMI, one external micro SIM slot
Weight (includes battery): 2.5 lbs or less	Yes
EPEAT: Gold	Gold
ENERGY STAR compliant: yes	Yes
TAA compliant: yes	
Section 508 compliant: yes	
Delivery time (days): 30 or less	30 days ARO
Three-year standard manufacturer warranty (with options for four-, five-year), three-year standard warranty includes battery	HP three-year pickup-and-return hardware support, with Defective Media Retention for notebooks

Available Options for HP® mt44 Mobile Thin Client – 2TB87AV	
GSS Minimum Specifications	Contractor-Provided Specifications
Optional asset tagging:	HP customer-supplied asset tagging service [$45.34]
Optional warehousing:	Not available via HP
Optional keyboard:	N/A
Optional slot:	N/A
Optional stand:	N/A
Optional warranty:	HP four-year pickup-and-return, plus Defective Media Retention, notebook-only service [$159.10]
Optional warranty:	HP five-year pickup-and-return, plus Defective Media Retention, notebook-only service [$241.81]
Optional smart card reader:	Integrated into notebook
Optional input device:	N/A
Optional carrying case:	HP Essential top-load case [$20.32]