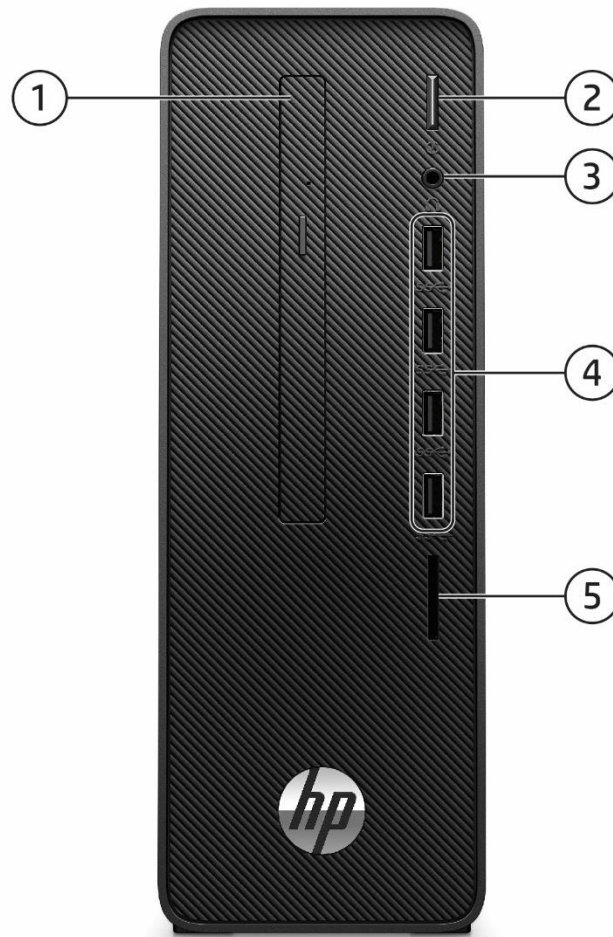


Overview

HP 280 G5 Small Form Factor Business PC



Front

1. Slim-height Bay - supporting an optical disk drive (optional)
2. Power Button
3. Microphone/Headphone Combo Jack
4. (4) SuperSpeed USB 5Gbps signaling rate Ports¹
5. SD Media Card Reader

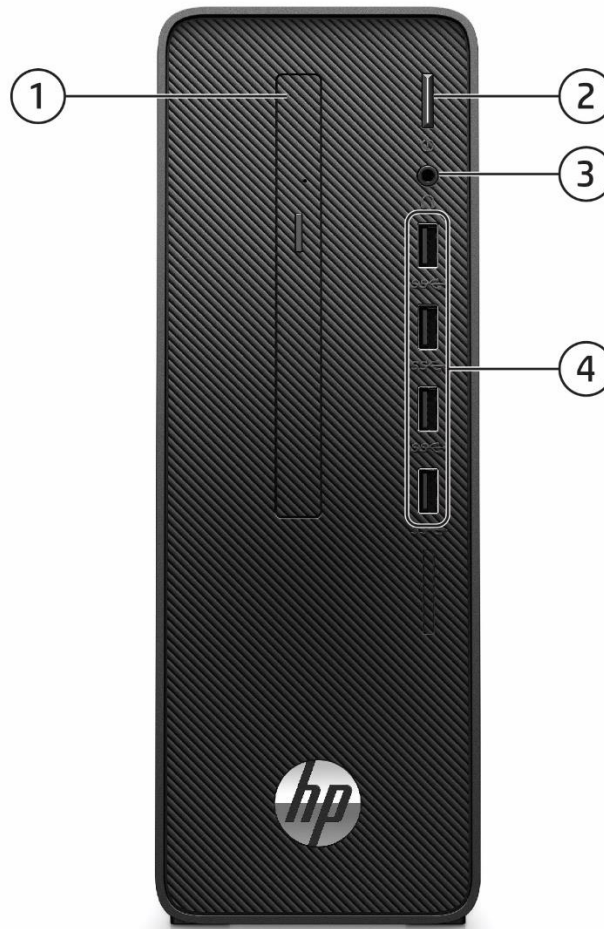
Not Shown

- Slots
- (1) PCI Express x16
 - (1) PCI Express x1
 - (1) M.2 for WLAN
 - (1) M.2 2242/2280 storage
- Bays
- (1) 3.5" or (2) 2.5" internal storage with caddy (share bay)
 - (1) 9.5mm internal optical drive bay

1. SuperSpeed USB 5Gbps = USB3.2 Gen1

Overview

HP 280 G5 Small Form Factor Business PC (H570)*



Front

1. Slim-height Bay - supporting an optical disk drive (optional)
2. Power Button
3. Microphone/Headphone Combo Jack
4. (4) SuperSpeed USB 5Gbps signaling rate Ports¹

Not Shown

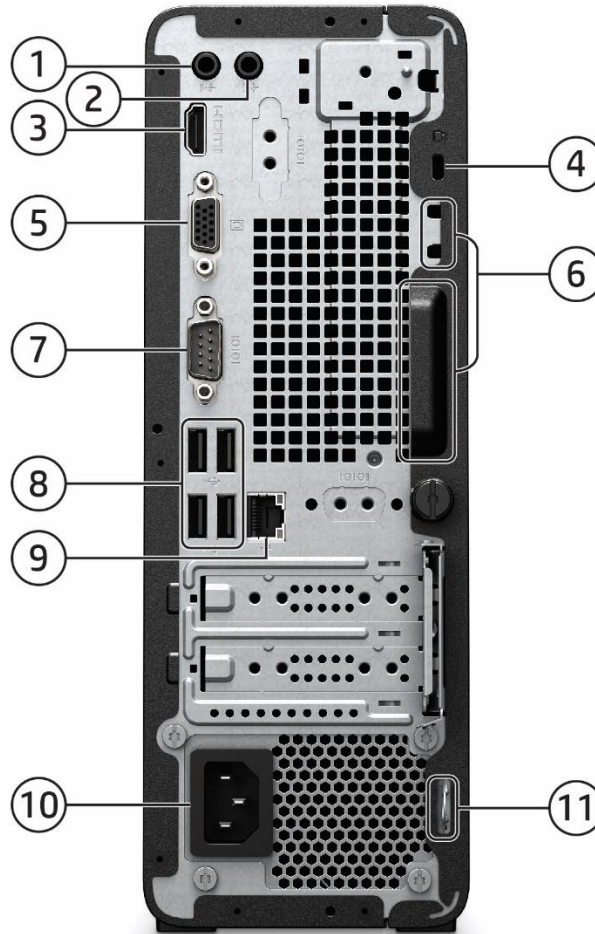
- Slots
- (1) PCI Express x16
 - (1) PCI Express x1
 - (1) M.2 for WLAN
 - (1) M.2 2242/2280 storage
- Bays
- (1) 3.5" or (2) 2.5" internal storage with caddy (share bay)
 - (1) 9.5mm internal optical drive bay

1. SuperSpeed USB 5Gbps = USB3.2 Gen1

*NOTE: Start from 10/22/2021 280 G5 Small Form Factor Business PC transit from B460 to H570.

Overview

HP 280 G5 Small Form Factor Business PC



Back

- | | |
|---------------------------|--------------------------------------|
| 1. Audio Line out | 6. Integrated accessories cable lock |
| 2. Audio Line in | 7. Serial Port |
| 3. HDMI Port ¹ | 8. (4) USB 2.0 ports |
| 4. Standard lock slot | 9. RJ-45 Network Connector |
| 5. VGA Port ¹ | 10. Power Cord Connector |
| | 11. Padlock Loop |

Not Shown

- Parallel Port (Optional via PCIe slot)
- 4 Serial Port (Optional via PCIe slot)²
- PS/2 Port (Optional)
- Intrusion Sensor (Optional)

- 1. Port will be covered up when configured with processor which is without internal graphics.
- 2. Available to selected region.

Standard Features and Configurable Modules

AT A GLANCE

- Windows 10 Pro, Windows 10 Home or FreeDOS
- Intel® B460 chipset supporting Intel® 10th generation processors, featuring Intel® UHD Graphics (Start from 10/22/2021 280 G5 Small Form Factor Business PC transit to H570)
- Supports an optional discrete graphics card
- Integrated 10/100/1000 Ethernet Controller or 802.11 a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 Combo
- Up to 64GB DDR4-2933 Unbuffered Memory (UDIMM)
- Independent monitor support via VGA and HDMI interfaces
- TPM 2.0 support (firmware)¹
- Supports both Hard Disk Drives and SATA TLC / M.2 PCIe NVMe Solid State Drives
- 8 USB Ports (including 4 SuperSpeed USB 5Gbps ports)
- 180W Full range 115V/230V EPA 90%/85%³
- Security cable lock supported (sold separately)
- Intrusion sensor supported (optional)
- Optional Care Services available; terms and conditions vary by country; certain restrictions and exclusions apply²

1. TPM feature will be supported on machine pre-configured with FreeDOS, but will default set as disabled in BIOS setup menu. In some cases, machines pre-configured with Windows OS might ship with TPM turned off.

2. HP Care Services sold separately. Service levels and response times for HP Care Services may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

3. 85% is for specific regions only.

NOTE: See important legal disclosures for all listed specs in their respective features sections.

Standard Features and Configurable Modules

OPERATING SYSTEMS

Preinstalled

Windows 11 Pro¹
Windows 11 Home - HP recommends Windows 11 Pro for business¹
Windows 10 Pro^{1,2}
Windows 10 Home - HP recommends Windows 11 Pro for business^{1,2}
FreeDOS

1. Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).

2. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees apply and additional requirements may apply over time for updates.

See <http://www.windows.com>.

PROCESSORS*

Intel® Celeron® Processors^{2,3,4}

CPU Intel Celeron G5900 Dual Core 3.4GHz 2666MHz 58W (3.4 GHz, 2 MB cache, 2 cores)

CPU Intel Celeron G5905 Dual Core 3.4GHz 2666MHz 58W (3.4 GHz, 2 MB cache, 2 cores)

Intel® Pentium®^{2,3}

CPU Intel Pentium G6400 Dual Core 4.0GHz 2666MHz 58W (4.0 GHz, 4 MB cache, 2 cores)

CPU Intel Pentium G6405 Dual Core 4.1GHz 2666MHz 58W (4.1 GHz, 4 MB cache, 2 cores)

CPU Intel Pentium G6600 Dual Core 4.2GHz 2666MHz 58W (4.2 GHz 4 MB cache, 2 cores)

CPU Intel Pentium G6605 Dual Core 4.3GHz 2666MHz 58W (4.3 GHz 4 MB cache, 2 cores)

Intel 10th Processors

Intel® Core™ i3^{2,3,4}

CPU Intel Core i3-10100 4C 3.6GHz 2666MHz 65W (3.6GHz, turbo up to 4.1GHz, 6 MB cache, 4 cores)

CPU Intel Core i3-10105 4C 3.7GHz 2666MHz 65W (3.7GHz, turbo up to 4.2GHz, 6 MB cache, 4 cores)

Intel® Core™ i5^{2,3,4}

CPU Intel Core i5-10400 6C 2.9GHz 2666MHz 65W (2.9GHz, turbo up to 4.0GHz, 12 MB cache, 6 cores)

CPU Intel Core i5-10500 6C 3.1GHz 2666MHz 65W (3.1GHz, turbo up to 4.2GHz, 12 MB cache, 6 cores)

CPU Intel Core i5-10505 6C 3.2GHz 2666MHz 65W (3.2GHz, turbo up to 4.3GHz, 12 MB cache, 6 cores)

Intel® Core™ i7^{2,3,4}

CPU Intel Core i7-10700 8C 2.9GHz 2933MHz 65W (2.9GHz, Up to 4.8GHz with Intel® Turbo Boost⁵, 16MB cache, 8 cores)

2. Your product does not support Windows 8 or Windows 7. In accordance with Microsoft's support policy, HP does not support the Windows® 8 or Windows 7 operating system on products configured with Intel 8th generation and forward processors or provide any Windows® 8 or Windows 7 drivers on <http://www.support.hp.com>

3. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

4. In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.

5. Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software and overall system. See <http://www.intel.com/technology/turboboost> for more information.

*NOTE: Not all processors are available; it varies by version.

Standard Features and Configurable Modules

Standard Features and Configurable Modules

CHIPSET

Intel® B460 Chipset
Intel® H570 Chipset

GRAPHICS

Integrated^{6,7}

Intel® UHD
Graphics 630 (integrated on 10th Core i processors and Pentium Gold G6600 processor)
Intel® UHD
Graphics 610 (integrated on Pentium Gold G6400 and Celeron)

Discrete Graphics

AMD Radeon™ R7 430 2GB GFX

6. HD content required to view HD images.

7. Integrated Intel software is available on select models only and requires separately purchased projector, tv or computer monitor with an integrated or external receiver. External receivers connect to the projector, tv or computer monitor via a standardVGA,HDMI cable, also sold separately.

MEMORY

Both slots are customer accessible / upgradeable, Supports Dual Channel Memory

Form Factor	Type	Maximum	# of Slots
Small Form Factor	DDR4 2666 (Transfer rates up to 2666 MT/s) DDR4 2933 (Transfer rates up to 2933 MT/s)	64 GB capacity	2 DIMM ⁸
	4 GB DDR4-2666 UDIMM (1x4GB)		
	4GB DDR4-2933 UDIMM NECC (1x4GB)		
	8GB DDR4-2933 UDIMM (1x8GB)		
	8GB DDR4-2933 UDIMM (1x4GB)		
	16GB DDR4-2933 UDIMM NECC (2x8GB)		
	16GB DDR4-2933 UDIMM NECC (1x16GB)		
	64GB DDR4-2933 UDIMM NECC (2x32GB)		
	8 GB DDR4-2666 UDIMM (1x8GB)		
	8 GB DDR4-2666 UDIMM (2x4GB)		
	16 GB DDR4-2666 UDIMM (1x16GB)		
	16 GB DDR4-2666 UDIMM (2x8GB)		
	64GB DDR4-2666 UDIMM (2x32GB)		

8. Memory modules support data transfer rates up to 2933 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.

NOTE: DDR3-2933 UDIMM is only available for 10th Gen i7 processor.

Standard Features and Configurable Modules

STORAGE AND DRIVES

SATA3 - 3.5" or 2.5" 6Gb/s HDDs*

2TB 7200 RPM SATA Hard Disk Drive

1TB 7200 RPM SATA Hard Disk Drive

500GB 7200 RPM SATA Hard Disk Drive

M.2 Solid State Drives

128GB M.2 NVMe

256GB M.2 NVMe

512GB M.2 NVMe

SD Card Reader⁹

SD/SDHC/SDXC SD Card Reader

Intel Optane Memory*

SSD Intel 16GB 2280 Optane Memory

9. Card sold separately.

*NOTE: Optional per configuration

OPTICAL DISC DRIVES

DVD-ROM 9.5mm¹⁰

DVD-Writer 9.5mm¹⁰

10. Optical drives are optional or add on features. HD-DVD disks cannot be played on this drive. No support for DVD-RAM. Actual speeds may vary. Don't copy copyright-protected materials.

NETWORKING/COMMUNICATIONS

Networking

Integrated 10/100/1000M GbE LAN

Wi-Fi® and Bluetooth®¹¹

802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 Combo

11. Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited. Wi-Fi 5 (802.11 ac) is backwards compatible with prior 802.11 specs.

AUDIO/MULTIMEDIA

Realtek ALC3601/ ALC3867-CG

Integrated Hi-Definition Audio

Combo Jack, Headphone/ Microphone

Line-in/ Line-out (3.5mm)

Standard Features and Configurable Modules

KEYBOARDS/POINTING DEVICES/BUTTONS AND FUNCTIONS KEYS

Keyboard

USB Business Slim Wired Keyboard
HP USB Wired Keyboard
Business Slim USB Antimicrobial Wired Keyboard (China)
No KB Option

Mouse

Antimicrobial USB Mouse (China)
HP Optical USB Mouse
Universal Wired USB Mouse
USB Hardened Mouse (Specific region)
No Mouse Option

PORTS

Front

Slim-height Bay - supporting an optical disk drive (optional)
(4) SuperSpeed USB 5Gbps signaling rate
SD Media Card Reader
Microphone/Headphone Combo Jack
Power Button

Not Shown

(1) PCI Express x16
(1) PCI Express x1
(1) M.2 for WLAN
(1) M.2 2242/2280 storage

Rear

Audio Line out
Audio Line in
HDMI Port
Standard lock slot
VGA Port
Serial Port
(4) USB 2.0 port
RJ-45 Network Connector
Power Cord Connector
Padlock loop
Integrated Accessories Cable Lock

Standard Features and Configurable Modules

Standard Features and Configurable Modules

Not Shown

- (1) Parallel Port (Optional via PCIe1 slot)
- (1) 4x Serial port (Optional via PCIe1 slot)¹²
- (1) PS/2 Port (Optional)
- (1) Intrusion Sensor (Optional)

12. Available for selected regions

BAYS

- (1) 3.5" or (2) 2.5" internal storage with caddy (share bay)
 - (1) 9.5mm internal optical drive bay
-

SOFTWARE COMPONENTS AND APPLICATIONS WITH WINDOWS

Security and Protection

McAfee* LiveSafe™¹³

Productivity

Buy Office (sold separately)

Dropbox¹⁴

Xerox® DocuShare® (30 day free trial offer)¹⁸

ODD Playback

sMedio True DVD for HP

Movies

Netflix¹⁶

App Stores and Content Purchasing

Amazon¹⁵

HP Utilities and Support

HP Documentation

HP JumpStarts

HP Audio Switch¹⁶

HP Support Assistant¹⁷

BTB

HP Setup Integrated OOBE

Hardware Enabling Drivers or software utility

HP System Event Utility

Standard Features and Configurable Modules

***NOTE:** Available for LA region only.

13. Free 1-year subscription of McAfee LiveSafe service included. Internet access required and not included. Subscription required after expiration

14. New Dropbox users are eligible to get 25 GB of Dropbox space free for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.

15. Internet access required and not included.

16. Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience

17. For more information visit hp.com/go/hpsupportassistant [Link will vary outside of the U.S.] HP Support Assistant is available for Android and Windows based PCs.

18. Simply sign up and start using Xerox® DocuShare® Go. No credit card. No obligation. Data will become unavailable unless a subscription is entered before the end of the 30 day free trial period. See visit <http://www.xerox.com/docusharego> for details..

POWER

Power Supply

180 W

EPA85 Full range 115V/230V

EPA90 Full range 115V/230V

WEIGHT AND DIMENSIONS

(configured with 1 HDD and 1 ODD)

Chassis (W x D x H)

3.74 x 11.93 x 10.63 in (95 x 303 x 270 mm) (w/bezel)

System Weight

8.82 lbs / 4 kg*

***NOTE:** Weight varies by configuration and component

UNIT ENVIRONMENTAL AND OPERATING CONDITIONS

General Unit Operating Guidelines

Environmental and Industry

- Keep the computer away from excessive moisture, direct moisture and the extremes of heat and cold, to ensure that unit is operated within the specified operating range.
- Leave a 10.2 cm (4 in) clearance on all vented sides of the computer to permit the required airflow.
- Never restrict airflow into the computer by blocking any vents or air intakes.
- Do not stack computers on top of each other or place computers so near each other that they are subject to each other's re-circulated or preheated air.
- Occasionally clean the air vents on the front, back, and any other vented side of the computer. Lint, dust and other foreign matter can block the vents and limit the airflow.
- If the computer is to be operated within a separate enclosure, intake and exhaust ventilation must be provided on the enclosure, and the same operating guidelines listed above will still apply.

Temperature Range

Operating: 5° to 35° C¹⁹

Non-operating: -30° to 60°¹⁹

Relative Humidity

Operating: 5% to 90% (non-condensing at ambient)

Non-operating: 5% to 90% (non-condensing at ambient)

Maximum Altitude (unpressurized)

Operating: 5,000 m

Non-operating: 50,000 ft (15240 m)

Standard Features and Configurable Modules

19. Operating temperature is de-rated 1.0 deg C per 300 m (1000 ft) to 3000 m (10,000 ft) above sea level, no direct sustained sunlight. Maximum rate of change is 10 deg C/Hr. The upper limit may be limited by the type and number of options installed.

Eco-Label Certifications & declarations	<p>This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:</p> <ul style="list-style-type: none"> • IT ECO declaration • US ENERGY STAR® • US Federal Energy Management Program (FEMP) • EPEAT Silver registered in the United States. See http://www.epeat.net for registration status in your country. • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Commission Regulation (EC) No 617/2013 (ErP Lot 3) 		
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Desktop model is based on a “Typically Configured Desktop”.		
Energy Consumption (in accordance with US ENERGY STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	19.49W	19.33W	19.3W
Normal Operation (Long idle)	17.74W	18.9W	18.5W
Sleep	1.45W	1.46W	1.47W
Off	0.28W	0.28W	0.28W
	<p>NOTE: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system. Search keyword generator on HP’s 3rd party option store for solar generator accessories at http://www.hp.com/go/options.</p>		
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	66.46 BTU/hr	65.92 BTU/hr	65.81 BTU/hr
Normal Operation (Long idle)	60.49 BTU/hr	64.45 BTU/hr	63.09 BTU/hr
Sleep	4.94 BTU/hr	4.98 BTU/hr	5.01 BTU/hr
Off	0.95 BTU/hr	0.95 BTU/hr	0.95 BTU/hr
	<p>NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.</p>		
Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)	Sound Power (L _{WAd} , bels)		Sound Pressure (L _{pAm} , decibels)
Typically Configured – Idle	3.8		26.1
Fixed Disk – Random writes	3.9		26.9
Longevity and Upgrading	<p>This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include:</p> <p>Spare parts are available throughout the warranty period and or for up to “3” years after the end of production.</p>		
Batteries	<p>This battery(s) in this product comply with EU Directive 2006/66/EC</p> <p>Batteries used in the product do not contain: Mercury greater the 1ppm by weight Cadmium greater than 20ppm by weight</p>		

Standard Features and Configurable Modules

	<p>Battery size: CR2032 (coin cell) Battery type: Lithium</p>		
Additional Information	<ul style="list-style-type: none"> • This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC. • This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC. • This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). • This product is in compliance with the IEEE 1680.1 (EPEAT) standard at the <Silver> level, see www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product contains 28.2% post-consumer recycled plastic (by wt.) • This product is 91.7% recycle-able when properly disposed of at end of life. 		
Packaging Materials	External:	PAPER/Paperboard	1220 g
	Internal:	PAPER/Molded Pulp	520 g
		PLASTIC/Polyethylene low density - LDPE	53 g
Material Usage	<p>This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf):</p> <ul style="list-style-type: none"> • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Formaldehyde • Halogenated Diphenyl Methanes • Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs) • Polybrominated Biphenyl Ethers (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO) 		
Packaging Usage	<p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> • Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. • Eliminate the use of ozone-depleting substances (ODS) in packaging materials. • Design packaging materials for ease of disassembly. • Maximize the use of post-consumer recycled content materials in packaging materials. • Use readily recyclable packaging materials such as paper and corrugated materials. • Reduce size and weight of packages to improve transportation fuel efficiency. • Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards. 		

Standard Features and Configurable Modules

End-of-life Management and Recycling	<p>HP Inc. offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.</p> <p>The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.</p> <p>Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html</p> <p>Eco-label certifications http://www8.hp.com/us/en/hp-information/environment/ecolabels.html</p> <p>ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC_GBU_Product_Design_ISO_14K_Certificate.pdf and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf</p>
---	--

SERVICE AND SUPPORT

On-site Warranty²⁰: Available three-year (3-3-3) or one-year (1-1-1) limited warranty (varies by country) delivers on-site, next business day²¹ service for parts and labor and complimentary limited technical support²². Three-year onsite and labor are not available in all countries. Service offers terms up to 5 years by choosing an optional HP Care Service²³. To choose the right level of service for your HP product, visit HP Care Pack Central: <http://www.hp.com/go/cpc>.

20. Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region.

21. On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.

22. Technical support applies only to HP-configured and third-party HP qualified hardware and software.

23. Service levels and response times for HP Care Services may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

GRAPHICS

Technical Specifications - Graphics

GRAPHICS

Intel® UHD Graphics 630 (integrated on Core i7/i5/i3/Pentium G6500 and above processors)			
Intel® UHD Graphics 610 (integrated on Pentium G6400 and below/ and Celeron)			
DisplayPort™	Multimode capable; supports HDCP, DisplayPort™ (2 streams), HBR2 link rates and Multi-Stream Technology for a maximum of 3 displays (including the integrated panel)		
Maximum Graphics Memory	Microsoft Windows 7	Windows 8.1	Windows 10
	Up to 1.7GB	Up to 1.8GB	>4 GB
<i>Note: the actual amount of maximum graphics memory can be less than the amounts listed above depending upon your computer's configuration.</i>			
Maximum Color Depth	32 bits/pixel		
Graphics/Video API Support	10 th Generation Intel® Core™ processors/Pentium G6500 and above:		
	<ul style="list-style-type: none"> With Intel® UHD Graphics 630 DirectX 12, OpenGL 4.3, OpenCL 1.2, Intel® Quick Sync Video 		
Supported Display Resolutions and Refresh Rates	Pentium G6400 and below/ and Celeron		
	<ul style="list-style-type: none"> With Intel® UHD Graphics 610 DirectX 12, OpenGL 4.3, OpenCL 1.2, Intel® Quick Sync Video 		
Supported Display Resolutions and Refresh Rates	Max. Resolution (VGA) 2048 x 1536@60Hz		
	Max. Resolution (HDMI) 4096 x 2160@60Hz		
<i>Note: other resolutions may be available but are not recommended as they may not have been tested and qualified by HP.</i>			
<i>* Only supported on displays connected to the external DisplayPort connector.</i>			

AMD Radeon™ R7 430 2GB Graphics Card

Engine Clock	780 MHz
Memory Clock	1100 MHz
Memory Size(width)	2GB(64-bit)
Memory Type	256M x 32 GDDR5
Max. Resolution(VGA)	2048x1536
Max. Resolution(DP)	4096x2160@60Hz
Multi Display Support	2 displays
HDCP Compliance	yes
Rear I/O connectors(bracket)	VGA+DP
Cooling(active/passive)	Active fan-sink (Active cooling with dynamic speed)
Total power consumption(W)	<50W
PCB form-factor with bracket	LP PCB with FH/LP bracket

Technical Specifications - Storage

STORAGE

HP 2 TB* 7.2K rpm SATA 6.0Gb/s 3.5" Hard Disk Drive*

Capacity	2 TB
Rotational Speed	7,200 rpm
Interface	SATA 6Gb/s NCQ
Buffer Size	64 MB
Logical Blocks	3,907,029,168
Seek Time	Read: <8.5 ms Write: <9.5 ms
Height	1.028 in/26.11 mm
Width	4.0 in/101.6 mm
Operating Temperature	32° to 140° F (0° to 60° C)

1TB 7.2K rpm SATA 6.0Gb/s 3.5" Hard Disk Drive

Capacity	1 TB
Rotational Speed	7,200 rpm
Interface	Serial ATA 3.0 (6.0 Gb/s)
Buffer Size	32 MB
Logical Blocks	1,953,525,168
Seek Time	Read: <8.5 ms Write: <9.5 ms Full-Stroke: 21 ms
Height	1 in/2.54 cm
Width	Media diameter: 3.5 in/8.89 cm Physical size: 4 in/10.2 cm
Operating Temperature	41° to 131° F (5° to 55° C)

500GB 7.2K rpm SATA 6.0Gb/s 3.5" Hard Disk Drive

Capacity	500 GB
Rotational Speed	7,200 rpm
Drive Type	Serial ATA 3.0 (6.0 Gb/s)
Interface	32 MB
Buffer Size	976,773,168
Seek Time	Single Track: 2.0 ms Average: 11 ms Full-Stroke: 21 ms
Height	1 in/2.54 cm
Width	Media diameter: 3.5 in/8.89 cm Physical size: 4 in/10.2 cm

Technical Specifications - Storage

Operating Temperature 41° to 131° F (5° to 55° C)

128 GB M.2 2280 PCIe NVMe Three Layer Cell SSD

Drive Weight < 10g
Capacity 128 GB
Height 2.38mm
Length 80mm
Width 22mm
Interface PCIe Gen3x4
Maximum Sequential Read Up to 2800MB/s
Maximum Sequential Write Up to 600MB/s
Logical Blocks 250,069,680
Operating Temperature 0° to 70°C (32° to 158°F) [ambient temp]
Features APST; ASPM L1.2; NVME spec 1.2

256 GB M.2 2280 PCIe NVMe Three Layer Cell SSD

Drive Weight < 10g
Capacity 256 GB
Height 2.38mm
Length 80mm
Width 22mm
Interface PCIe Gen3x4
Maximum Sequential Read Up to 2700MB/s
Maximum Sequential Write Up to 1000MB/s
Logical Blocks 500,118,192
Operating Temperature 0° to 70°C (32° to 158°F) [ambient temp]
Features APST; ASPM L1.2; NVME spec 1.2

512 GB M.2 2280 PCIe NVMe Three Layer Cell SSD

Drive Weight < 10g
Capacity 512 GB
Height 2.38mm
Length 80mm
Width 22mm
Interface PCIe Gen3x4
Maximum Sequential Read Up to 2900MB/s
Maximum Sequential Write Up to 1100MB/s

Technical Specifications - Storage

Logical Blocks	1,000,215,216
Operating Temperature	0° to 70°C (32° to 158°F) [ambient temp]
Features	APST; ASPM L1.2; NVME spec 1.2

256 GB M.2 2280 PCIe NVMe SSD

Drive Weight	< 10g
Capacity	256 GB
Height	2.38mm
Length	80mm
Width	22mm
Interface	PCIe Gen3
Maximum Sequential Read	Up to 1600MB/s
Maximum Sequential Write	Up to 780MB/s
Logical Blocks	500,118,192
Operating Temperature	0° to 70°C (32° to 158°F) [ambient temp]
Features	APST; ASPM L1.2; NVME spec 1.2

512 GB M.2 2280 PCIe NVMe SSD

Drive Weight	< 10g
Capacity	512 GB
Height	2.38mm
Length	80mm
Width	22mm
Interface	PCIe Gen3
Maximum Sequential Read	Up to 1600MB/s
Maximum Sequential Write	Up to 860MB/s
Logical Blocks	1,000,215,216
Operating Temperature	0° to 70°C (32° to 158°F) [ambient temp]
Features	APST; ASPM L1.2; NVME spec 1.2

500 GB 7200RPM 2.5in SATA HDD

Capacity	500 GB
Rotational Speed	7,200 rpm
Interface	SATA 6 Gb/s
Buffer Size	32 MB
Logical Blocks	976,773,168
Seek Time	12 ms (Average)
Height	0.267 in/6.8 mm (nominal)

Technical Specifications - Storage

Width (nominal)	2.75 in/70 mm (nominal)
Operating Temperature	41° to 131° F (5° to 55° C)

1TB 7200RPM 2.5in SATA HDD

Capacity	1 TB
Rotational Speed	7,200 rpm
Interface	SATA 6 Gb/s
Buffer Size	32 MB
Logical Blocks	1,953,525,168
Seek Time	12 ms (Average)
Height	0.374 in/9.5 mm (nominal)
Width (nominal)	2.75 in/70 mm (nominal)
Operating Temperature	41° to 131° F (5° to 55° C)

NOTE*: For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB of disk is reserved for system recovery software.

Technical Specifications – Optical Disc Drives

OPTICAL DISC DRIVES

HP 9.5mm Desktop G2 Slim DVD Writer Drive

Height	9.5 mm height
Orientation	Either horizontal or vertical
Interface type	SATA/ATAPI
Disc recording capacity	Up to 8.5 GB DL or 4.7 GB standard
Dimensions (W x H x D)	5.04 x 0.37 x 5.0 in (128 x 9.5 x 127 mm) without bezel
Weight (max)	0.31 lb (140 g)
Read Speeds	DVD-R DL - Up to 6X DVD+R - Up to 8X DVD+RW - Up to 8X DVD+R DL - Up to 6X DVD-R - Up to 8X DVD-RW - Up to 6X CD-R - Up to 24X CD-RW - Up to 10X DVD-RW, DVD+RW - Up to 8X DVD-R DL, DVD+R DL - Up to 8X DVD+R, DVD-R - Up to 8X DVD-ROM DL, DVD-ROM - Up to 8X CD-ROM, CD-R - Up to 24X CD-RW - Up to 24X
Access time (typical reads, including settling)	Random DVD-ROM: 170 ms (typical), CD-ROM: 170 ms (typical) Full Stroke DVD-ROM: 320 ms (typical), CD-ROM: 320 ms (typical) Stop Time 6 seconds (typical)
Power	Source Slimline SATA DC power receptacle DC Power Requirement 5 VDC \pm 5%-100 mV ripple p-p DC Current 5 VDC (< 1000 mA typical, 1600 mA maximum)
Environmental conditions (operating - non-condensing)	Temperature 41° to 122° F (5° to 50° C) Relative Humidity 10% to 80% Maximum Wet Bulb Temperature 84° F (29° C)

HP 9.5mm Desktop G2 Slim DVD-ROM Drive

Height	9.5 mm height
Orientation	Either horizontal or vertical
Interface type	SATA/ATAPI
Disc recording capacity	Up to 8.5 GB DL or 4.7 GB standard
Dimensions (W x H x D)	5.04 x 0.37 x 5.0 in (128 x 9.5 x 127 mm) without bezel
Weight (max)	0.31 lb (140 g)
Read Speeds	DVD-R DL - Up to 6X DVD+R - Up to 8X DVD+RW - Up to 8X DVD+R DL - Up to 6X DVD-R - Up to 8X DVD-RW - Up to 6X CD-R - Up to 24X

Technical Specifications – Optical Disc Drives

CD-RW - Up to 10X
DVD-RW, DVD+RW - Up to 8X
DVD-R DL, DVD+R DL - Up to 8X
DVD+R, DVD-R - Up to 8X
DVD-ROM DL, DVD-ROM - Up to 8X
CD-ROM, CD-R - Up to 24X
CD-RW - Up to 24X

**Access time
(typical reads, including
settling)**

Random DVD-ROM: 170 ms (typical), CD-ROM: 170 ms (typical)
Full Stroke DVD-ROM: 320 ms (typical), CD-ROM: 320 ms (typical)
Stop Time 6 seconds (typical)

Power

Source Slimline SATA DC power receptacle
DC Power Requirement 5 VDC \pm 5%-100 mV ripple p-p
DC Current 5 VDC (< 1000 mA typical, 1600 mA maximum)

**Environmental conditions
(operating - non-condensing)**

Temperature 41° to 122° F (5° to 50° C)
Relative Humidity 10% to 80%
Maximum Wet Bulb Temperature 84° F (29° C)

Technical Specifications – Audio

HIGH DEFINITION AUDIO

Type	Integrated
HD Audio Codec	Realtek ALC3601 / ALC3867-CG
Audio I/O Ports	Front side Combo jack for supporting CTIA, Rear side Line-in/ Line-out/ Mic-in jacks
Wavetable Syntheses	Yes
Analog Audio	Yes
Internal Speaker	NA
DAC Sampling Rates	16 to 24-bit; 44.1K/ 48 K/96K / 192K Hz
ADC Sampling Rates	16 bit, 44.1K/ 48K/ 96K/ 192K Hz

Technical Specifications - Power

POWER SUPPLY

P/S 180W SFF ENTS20L EAP85

Operating Voltage Range	180 – 264 VAC
Rated Voltage Range	200-240V AC
Rated Line Frequency	50/60 HZ
Operating Line Frequency	47 – 63 Hz
Rated Input Current	180W : <1.3A
Rated Input Current with Energy Efficient* Power Supply	82/85/82% efficient at 20/50/100% load (230V)
DC Output	+12.1V
Current Leakage (NFPA 99: 2102)	Less than 500 microamps of leakage current at 120 Vac with the ground wire disconnected, as required for Non-patient Electrical Appliances and Equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1. Less than 100 microamps of leakage current at 120 Vac with the ground wire intact with normal polarity, as required for Non-patient Electrical Appliances and Equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1.
Power Supply Fan	50 x 20 mm (linear type)

P/S 180W SFF ENTS20L EAP90

Operating Voltage Range	90 – 264 VAC
Rated Voltage Range	100-240V AC
Rated Line Frequency	50/60 HZ
Operating Line Frequency	47 – 63 Hz
Rated Input Current	180W : <2.3A
Rated Input Current with Energy Efficient* Power Supply	87/90/87% efficient at 20/50/100% load (115Vac) 88/92/88% efficient at 20/50/100% load (230V)
DC Output	+12.1V
Current Leakage (NFPA 99: 2102)	Less than 500 microamps of leakage current at 120 Vac with the ground wire disconnected, as required for Non-patient Electrical Appliances and Equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1. Less than 100 microamps of leakage current at 120 Vac with the ground wire intact with normal polarity, as required for Non-patient Electrical Appliances and Equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1.
Power Supply Fan	50 x 20 mm (linear type)

Technical Specifications – Weights and Dimensions

WEIGHTS AND DIMENSIONS

Chassis (W x D x H)	3.74 x 11.93 x 10.63 in (95 x 303 x 270 mm) (w/ bezel)
System Volume	463.16cu in 7.6L
System Weight*	8.82 lbs / 4 kg
Packaged (H x W x D)	13.46 x 7.72 x 19.65 in 342 x 196 x 499 mm
Shipping Weight*	13.2 lb / 6 kg
Shipping Weight (Molded Pulp)*	13.86 lb / 6.3 kg
Palletization Profile	12-units per layer 6 layer max 72 per pallet Footprint (H x W x D) 85.91 x 39.37 x 47.24 in (2182 x 1000 x 1200 mm)

*NOTE: Weight varies by configuration and component

Technical Specifications – Networking

NETWORKING

10/100/1000 Integrated NIC

Ethernet Features	<p>10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14)</p> <p>100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30)</p> <p>1000 Mbit/s operation (1000BASE-T; IEEE 802.3ab; IEEE 8023 clauses 40)</p> <p>Auto-Negotiation (Automatic Speed Selection)</p> <p>Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s</p>
Power Management	<p>ACPI compliant – multiple power modes</p> <p>Situation-sensitive features reduce power consumption</p> <p>Advanced link down power saving for reducing link down power consumption</p>
Performance Features	<p>TCP/IP/UDP Checksum Offload (configurable)</p> <p>Protocol Offload (ARP & NS)</p> <p>Large send offload and Giant send offload</p> <p>Receiving Side Scaling</p> <p>Jumbo Frame 9K</p>
Manageability	<p>Wake-on-LAN from standby and hibernation (Magic Packet and Microsoft Wake-Up Frame); Wake-on-LAN from off (Magic Packet only)</p> <p>PXE 2.1 Remote Boot</p> <p>Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30))</p> <p>Comprehensive diagnostic and configuration software suite</p> <p>Virtual Cable Doctor for Ethernet cable status</p>

Realtek 802.11ac (1x1) Wi-Fi® and Bluetooth® 4.2 Combo *

Wireless LAN Standards¹	<p>IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac</p> <p>1. Wireless access point and Internet service required and not included. Availability of public wireless access points limited.</p>	
Interoperability	Wi-Fi® certified modules	
Frequency Bands	802.11b/g/n	<p>•2.402 – 2.482 GHz</p> <p>Note: The FCC has declared as of January 1, 2015 products that utilize passive scanning on channel 12/13 and are capable of transmitting must fully comply with requirements of 15.247 or otherwise disable those channels.</p>
	802.11a/n	<p>•4.9 – 4.95 GHz (Japan)</p> <p>•5.15 – 5.25 GHz</p> <p>•5.25 – 5.35 GHz</p> <p>•5.47 – 5.725 GHz</p> <p>•5.825 – 5.850</p>

Technical Specifications – Networking

Data Rates	<ul style="list-style-type: none"> • 802.11b: 1, 2, 5.5, 11 Mbps • 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz) • 802.11ac : MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40MHz, and 80MHz)
Modulation	<p>Direct Sequence Spread Spectrum</p> <p>BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM</p>
Security²	<ul style="list-style-type: none"> • IEEE and 64 / 128 bit WEP encryption for a/b/g mode only • AES-CCMP: 128 bit in hardware • 802.1x authentication • WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES. • WPA2 certification • IEEE 802.11i • Cisco Certified Extensions, all versions through CCX4 and CCX Lite • WAPI <p>2 Check latest software/driver release for updates on supported security features.</p>
Network Architecture Models	<p>Ad-hoc (Peer to Peer)</p> <p>Infrastructure (Access Point Required)</p>
Roaming	IEEE 802.11 compliant roaming between access points
Output Power³	<ul style="list-style-type: none"> • 802.11b : +14dBm minimum • 802.11g : +12dBm minimum • 802.11a : +12dBm minimum • 802.11n HT20(2.4GHz) : +12dBm minimum • 802.11n HT40(2.4GHz) : +12dBm minimum • 802.11n HT20(5GHz) : +10dBm minimum • 802.11n HT40(5GHz) : +10dBm minimum • 802.11ac VHT80(5GHz) : +10dBm minimum <p>3. Maximum output power may vary by country according to local regulations.</p>
Power Consumption	<ul style="list-style-type: none"> • Transmit mode 2.0 W • Receive mode 1.6 W • Idle mode (PSP) 180 mW (WLAN Associated) • Idle mode 50 mW (WLAN unassociated) • Connected Standby 10mW • Radio disabled 8 mW
Power Management	<p>ACPI and PCI Express compliant power management</p> <p>802.11 compliant power saving mode</p>
Receiver Sensitivity⁴	802.11b, 1Mbps : -93.5dBm maximum

Technical Specifications – Networking

	802.11b, 11Mbps : -84dBm maximum 802.11a/g, 6Mbps : -86dBm maximum 802.11a/g, 54Mbps : -72dBm maximum 802.11n, MCS07 : -67dBm maximum 802.11n, MCS15 : -64dBm maximum 802.11ac, MCS0 : -84dBm maximum 802.11ac, MCS9 : -59dBm maximum	
	4 Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).	
Antenna type	High efficiency antenna. One embedded dual band 2.4/5 GHz antenna is provided to the card to support WLAN communications and Bluetooth communications	
Form Factor	PCI-Express M.2 MiniCard	
Dimensions	Type 2230 : 2.3 x 22.0 x 30.0 mm	
Weight	Type 2230 : 2.8g	
Operating Voltage	3.3v +/- 9%	
Temperature	Operating: Non-operating:	14° to 158° F (-10° to 70° C) -40° to 176° F (-40° to 80° C)
Humidity	Operating: Non-operating:	10% to 90% (non-condensing) 5% to 95% (non-condensing)
Altitude	Operating: Non-operating:	0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)
LED Activity	LED Amber – Radio OFF; LED White – Radio ON	

HP Integrated Module with Bluetooth 4.0/4.1/4.2 Wireless Technology

Bluetooth Specification	4.0/4.1/4.2 Compliant
Frequency Band	2402 to 2480 MHz
Number of Available Channels	Legacy : 0~79 (1 MHz/CH) BLE : 0~39 (2 MHz/CH)
Data Rates and Throughput	Legacy : 3 Mbps data rate; throughput up to 2.17 Mbps BLE : 1 Mbps data rate; throughput up to 0.2 Mbps Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy : Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)
Transmit Power	The Bluetooth component shall operate as a Class II Bluetooth device with a maximum transmit power of + 4 dBm for BR and EDR.
Receiver Sensitivity Legacy	
Power Consumption	Peak (Tx) 330 mW Peak (Rx) 230 mW

Technical Specifications – Networking

	Selective Suspend 17 mW
Range	Legacy : 0~79 (1 MHz/CH) BLE : 0~39 (2 MHz/CH)
Electrical Interface	USB 2.0 compliant
Bluetooth Software Supported Link Topology	Microsoft Windows Bluetooth Software
Power Management Certifications	Microsoft Windows ACPI, and USB Bus Support
Certifications Bluetooth Profiles Supported	BT4.1-ESR 5/6/7 Compliance LE Link Layer Ping LE Dual Mode LE Link Layer LE Low Duty Cycle Directed Advertising LE L2CAP Connection Oriented Channels Train Nudging & Interlaced Scan BT4.2 ESR08 Compliance LE Secure Connection- Basic/Full LE Privacy 1.2 –Link Layer Privacy LE Privacy 1.2 –Extended Scanner Filter Policies LE Data Packet Length Extension FAX Profile (FAX) Basic Imaging Profile (BIP)2 Headset Profile (HSP) Hands Free Profile (HFP) Advanced Audio Distribution Profile (A2DP)

After-Market Options (availability may vary by region)

AFTER MARKET OPTIONS

<u>Type</u>	<u>Description</u>	<u>Part #</u>
Memory	HP 4GB DDR4-2666 DIMM	3TK85AA
	HP 8GB DDR4-2666 DIMM	3TK87AA
	HP 16GB DDR4-2666 DIMM	3TK83AA
Storage	HP 500GB SATA 6.0Gb/s Hard Drive	QK554AA
	HP 1TB 7200rpm SATA 6Gbps Hard Drive	QK555AA
	HP Turbo Drive Gen2 256GB M.2 SSD Drive	1CA51AA
	HP 256GB SATA TLC Non-SED Solid State Drive	P1N68AA
	HP 9.5mm G3 8/6/4 SFF G4 400 SFF/MT DVD Writer	1CA53AA
Graphics	AMD Radeon™ R7 430 2GB 2DP Card	5JW82AA
Security	HP Business PC Security Lock V3 Kit	3XJ17AA
	HP Keyed Cable Lock 10mm kit	T1A62AA
Adapters	HP PCIe x1 Parallel Port Card	N1M40AA
	HP HDMI Standard Cable Kit	T6F94AA
	HP USB to Serial Port Adapter	J7B60AA
Networking	Intel Ethernet I210-T1 GbE NIC Card	EOX95AA
Input	HP USB Mouse	QY777AA
	HP USB Hardened Mouse	P1N77AA
	HP USB Grey v2 Mouse	Z9H74AA
	HP USB Keyboard	QY776AA
	HP USB Business Slim Keyboard	N3R87AA
	HP USB Antimicrobial Slim Keyboard and Mouse	Z9H50AA
Others	HP Business Headset v2	T4E61AA
	HP S101 Speaker bar	5UU40AA

Change Log

© Copyright 2022 HP Development Company, L.P.

The information contained herein is subject to change without notice. The only warranties for HP products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries. Intel, Celeron®, Core, Pentium are registered trademarks or trademarks of Intel Corporation in the U.S. and/or other countries. Bluetooth is a trademark of its proprietor, used by HP Inc. under license. NVIDIA, GeForce, Kepler and NVS are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

Wi-Fi® is a registered trademark of Wi-Fi Alliance®.

Date of change:	Version History:		Description of change:
July 24, 2020	From v1 to v2	Added	Intel Celeron G5905.
July 29, 2020	From v2 to v3	Correction	Dimensions order.
September 24, 2020	From v3 to v4	Addition	Xerox® DocuShare® and footnote to software section.
November 2, 2020	From v4 to v5	Addition	Disclaimer and I7-10700 information update in processors section.
March 1, 2021	From v5 to v6	Addition	UNIT ENVIRONMENTAL AND OPERATING CONDITIONS
March 2, 2021	From v6 to v7	Update	Xerox specs and disclaimer updated in Software section
June 22, 2021	From v7 to v8	Addition	ALC3867-CG added to HD Audio Codec
September 8, 2021	From v8 to v9	Addition	Integration of H570 chipset and G6405, G6605, i3-10105 and i5-10505 processors and power supply section updated
September 16, 2021	From v9 to v10	Update	At a glance section and disclaimers added to call outs and processors
September 23, 2021	From v10 to v11	Update	EPEAT disclaimer
December 24, 2021	From v11 to v12	Update	Windows 11 upgrade
June 21, 2022	From v12 to v13	Update	Environmental table certifications updated