

### Overview

#### HP Stream 11 Pro G5 Notebook PC



1. Web camera LED
2. Web Camera
3. Microphone
4. Clickpad with multi-touch gestures support
5. Power LED

#### Front Left

6. Headphone / Microphone Combo Jack
7. USB 2.0 port (Cable not included)
8. Security lock mini slot (Lock sold separately)
9. Power Button

### Overview



#### Front Right

- |    |                      |    |                                |
|----|----------------------|----|--------------------------------|
| 1. | Power connector      | 3. | USB 3.1 Gen1                   |
| 2. | Micro SD card reader | 4. | HDMI port (Cable not included) |

### Overview

#### At A Glance

- Preinstall with Windows 10 or Windows 10 S versions
- Choice of Intel® Celeron® and Pentium® processors
- Intel® UHD Graphics 600 or 605
- Choice of eMMC up to 128 GB
- Intel® Dual Band Wireless-AC 9560 802.11 AC (2x2) WiFi (MU-MIMO/160 Mhz) and Bluetooth® 5.0 Combo Adapter
- Display choices include 11.6" diagonal HD touch or non-touch
- Weight starting at 1.26 kg (2.78 lbs)
- Security features including HW TPM 2.0 and security lock mini slot (Lock not included.)
- Full size textured island-style keyboard
- Touchpad with gestures support
- HP webcam with single digital microphone and VGA camera
- One USB 3.1 Gen1 port and one USB 2.0 port
- Designed to pass 70 cm drop on concrete test, IPX1/IP41, 9 MIL-STD 810G certification<sup>1</sup>

1. MIL-STD-810G testing is pending and is not intended to demonstrate fitness of U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

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

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### Features

#### PRODUCT NAME

HP Stream 11 Pro G5

#### OPERATING SYSTEM

##### Preinstalled

Windows 10 Pro 64<sup>1</sup>  
Windows 10 Pro 64 (National Academic only)<sup>2</sup>  
Windows 10 Home 64 – HP recommends Windows 10 Pro<sup>1</sup>  
Windows 10 Pro in S mode 64<sup>3</sup>  
Windows 10 Pro in S mode 64 (National Academic only)<sup>2,3</sup>

1. 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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com/>.
2. Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <https://aka.ms/ProEducation> for Windows 10 Pro Education feature information.
3. Windows 10 Pro in S mode 64 works exclusively with apps from the Windows store. Some accessories and apps compatible with Windows 10 may not work, and performance may vary. Certain default settings, features, and apps cannot be changed. Easily switch to Windows 10 Pro configuration (fee applies) Learn more at [Microsoft.com/Windows 10S](https://Microsoft.com/Windows10S).

#### PROCESSORS

Intel® Celeron® N4000 with Intel® UHD Graphics 600 (1.1 GHz base frequency, up to 2.6 GHz burst frequency, 4 MB cache, 2 cores)<sup>4,5,6</sup>

Intel® Celeron® N4100 with Intel® UHD Graphics 600 (1.1 GHz base frequency, up to 2.4 GHz burst frequency, 4 MB cache, 4 cores)<sup>4,5,6</sup>

Intel® Pentium® Silver N5000 with Intel® UHD Graphics 605 (1.1 GHz base frequency, up to 2.7 GHz burst frequency, 4 MB cache, 4 cores)<sup>4,5,6</sup>

##### Processor Family

Intel® Celeron® processor (N4000 is on Windows 10 only)<sup>6</sup>

Intel® Celeron® processor (N4100 is on Windows 10 only)<sup>6</sup>

Intel® Pentium® silver processor (N5000 is on Windows 10 only)<sup>6</sup>

4. 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 is not a measurement of higher performance.
5. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
6. 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>.



### Features

#### CHIPSET

Chipset is integrated with processor

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#### GRAPHICS

##### Integrated

Intel® UHD Graphics 600<sup>7</sup>

Intel® UHD Graphics 605<sup>7</sup>

##### Supports

Support HD Decode, DX12, and HDMI

7. HD content required to view HD images.
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#### DISPLAY

##### Internal

##### Non-Touch

29.46 cm (11.6") diagonal HD SVA eDP anti-glare WLED-backlit slim, 220 cd/m<sup>2</sup>, 50% sRGB (1366 x 768)<sup>7,8,9</sup>

##### Touch

29.46 cm (11.6") diagonal HD IPS eDP BrightView WLED-backlit slim TOP touch screen, 220 cd/m<sup>2</sup>, 50% sRGB (1366 x 768)<sup>7,8,9</sup>

##### HDMI v1.4

Supports up to 1920x1080 @ 60Hz

Supports dual display through the dock

Supports 3 independent displays if used with optional HP UltraSlim Docking Station.

7. HD content required to view HD images.
  8. Resolutions are dependent upon monitor capability, and resolution and color depth settings.
  9. Sold separately or as an optional feature.
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#### STORAGE AND DRIVES

##### Primary Storage

64 GB eMMC<sup>10</sup>

128 GB eMMC<sup>10</sup>

10. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.
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### Features

#### MEMORY

**Maximum Memory**

4 GB DDR4-2400 onboard memory (DDR4-2666 downgrade to DDR4-2400)<sup>11</sup>

**Memory**

4 GB DDR4-2400 onboard memory<sup>11</sup>

**Memory Slots**

Onboard memory

Supports Dual Channel Memory

11. Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.
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#### NETWORKING/COMMUNICATIONS

**WLAN**

Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, non-vPro™<sup>12</sup>

**Miracast**

Compatible with Miracast-certified devices (models with Windows 10)<sup>13</sup>

12. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.
  13. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
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#### AUDIO/MULTIMEDIA

**Audio**

Single digital microphone

**Webcam**

VGA camera, indicator LED, USB 2.0 (640 x 480 by 24 frames per second)<sup>7,9</sup>

7. HD content required to view HD images
  9. Sold separately or as an optional feature.
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### Features

#### KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

**Keyboard**

Full-size textured island-style keyboard (No numeric Keypad)

**Pointing Device**

Clickpad with multi-touch gesture support, taps enabled as default

**Function Keys**

ESC: system information

F1 - Display Switching

F2 - Blank

F3 - Brightness Down

F4 - Brightness Up

F5 - Speaker Mute

F6 - Volume Down

F7 - Volume Up

F8 - Mic Mute

F9 - Blank

F10 - Blank

F11 - Wifi Toggle

F12 - Print Screen

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#### SOFTWARE AND SECURITY

**Preinstalled Software**

HP Audio Switch

HP Command Center UWP

HP Connection Optimizer

HP Cool Control

HP CoolSense

HP e-Service

HP JumpStart

HP PC Hardware Diagnostics Windows

HP Performance Advisor software

HP SSRM

HP Support Assistant<sup>17</sup>

HP ePrint<sup>18</sup>

Buy Office (sold separately)

HP School Pack 3.5

HP Prime Graphing Calculator Pro

HP Simple Sign-On

HP Classroom Manager

Kortext

**Manageability Features**

HP Driver Packs<sup>19</sup>

**Security Management**

TPM 2.0<sup>20</sup>

Mini security lock slot (Lock sold separately.)



### Features

17. HP Support Assistant requires Windows and Internet access.
  18. HP ePrint Driver requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see [www.hp.com/go/eprintcenter](http://www.hp.com/go/eprintcenter)). Print times and connection speeds may vary.
  19. HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
  20. Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).
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### POWER

#### Power Supply

HP Smart 45 W External AC power adapter<sup>21</sup>

#### Primary Battery

2-cell, 37.69 Wh Li-ion polymer<sup>22</sup>

#### Power Cord

1M length power cord

#### Battery life

Up to 12 hours<sup>23</sup>

21. Availability may vary by country.
  22. Battery is internal and not replaceable by customer. Serviceable by warranty.
  23. Windows 10 MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See [www.bapco.com](http://www.bapco.com) for additional details
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### WEIGHTS & DIMENSIONS

#### Weight

Starting at 2.82 lb (touch); Starting at 2.78 lb (non-touch)<sup>24</sup>  
Starting at 1.28 kg (touch); Starting at 1.26 kg (non-touch)<sup>24</sup>

#### Product Dimensions (w x d x h)

11.81 8.19 x 0.71 in  
30 x 20.81 x 1.8 cm

24. Availability may vary by country.
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### PORTS/SLOTS

#### Ports

1 USB 3.1 Gen 1  
1 USB 2.0  
1 HDMI 1.4<sup>25</sup>





### Features

- 1 AC power
- 1 Headphone/microphone combo jack

#### Expansion Slots

- 1 M.2 slot for WLAN

25. HDMI cable sold separately.

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### SERVICE AND SUPPORT

HP Services offers 1-year limited warranties and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to <http://www.hp.com/support/batterywarranty/> for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: <http://www.hp.com/go/cpc>.<sup>26</sup>

26. HP Care Packs are sold separately. Service levels and response times for HP Care Packs 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](http://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

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### Technical Specifications

#### SYSTEM UNIT

##### Stand-Alone Power Requirements

###### (AC Power)

Nominal Operating Voltage	19V
Average Operating Power	2 cell polymer battery - 37.69Whr
Integrated graphics	< 4.0w (PLT test)
Max Operating Power	UMA < 45W

##### Temperature

Operating	0 to 35 C
Non-operating	5 to 35 C

##### Relative Humidity

Operating	10% to 90%, non-condensing
Non-operating	5% to 95%, 101.6° F (38.7° C) dry bulb value

##### Shock

Operating	40 G, 2 ms, half-sine
Non-operating	240 G, 2 ms, half-sine

##### Random Vibration

Operating	0.015 g <sup>2</sup> /Hz, 10-40 Hz, nominal 1.043 grms
Non-operating	0.025 g <sup>2</sup> /Hz, 10-500 Hz, nominal 3.5 grms

##### Altitude (unpressurized)

Operating	-50 to 10,000 ft (-15.24 to 3,048 m)
Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)

##### Planned Industry Standard

###### Certifications

UL	Yes
FCC Compliance	Yes
ENERGY STAR®	Select models
EPEAT	Silver
ICES	Yes
Australia /	Yes
NZ A-Tick Compliance	Yes
Japan VCCI Compliance	Yes
CE Marking Compliance	Yes

#### DISPLAYS

<b>Panel LCD 11.6 inch HD (1366x768) Anti-Glare WLED SVA 45percent cg 220nits eDP slim</b>	<b>Outline Dimensions (W x H x D)</b>	268 x 168 x 3.0 mm
	<b>Active Area</b>	256.125 x 144 mm
	<b>Weight</b>	210 g max
	<b>Diagonal Size</b>	11.6 (in)
	<b>Thickness</b>	3.0 mm max



### Technical Specifications

<b>Interface</b>	eDP 1.2
<b>Surface Treatment</b>	Anti-glare (AG)
<b>Touch Enabled</b>	None
<b>Contrast Ratio</b>	500:1 typ
<b>Refresh Rate</b>	60 Hz
<b>Brightness</b>	220 nit typ
<b>Pixel Resolution</b>	1366 x 768 (HD)
<b>Format</b>	RGB
<b>Backlight</b>	LED
<b>Color Gamut Coverage</b>	45%
<b>Color Depth</b>	6 bit
<b>Viewing Angle</b>	SVA 45/45/20/40

<b>Panel LCD 11.6 inch HD (1366x768) BrightView WLED UWVA 50percent cg 220nits eDP 1.2 w/o PSR slim TOP</b>	<b>Outline Dimensions (W x H x D)</b>	278.5 X 168.52 X 3.2(PCBA) mm
	<b>Active Area</b>	256.125 x 144
	<b>Weight</b>	200g
	<b>Diagonal Size</b>	11.6
	<b>Thickness</b>	3.2mm (PCBA)
	<b>Interface</b>	eDP 1.2
	<b>Surface Treatment</b>	BV
	<b>Touch Enabled</b>	enable
	<b>Contrast Ratio</b>	800:1 typ
	<b>Refresh Rate</b>	60Hz
	<b>Brightness</b>	220nits
	<b>Pixel Resolution</b>	1366 x 768 (HD)
	<b>Format</b>	RGB
	<b>Backlight</b>	LED
	<b>Color Gamut Coverage</b>	50
	<b>Color Depth</b>	6bit
	<b>Viewing Angle</b>	UWVA 85/85/85/85



### Technical Specifications

#### STORAGE AND DRIVES

##### HARD DRIVES

<b>eMMC 5.0</b>	<b>Drive Weight</b>	0.2g
	<b>Rotation speed</b>	64GB/128GB
	<b>Cache Buffer</b>	1.4mm
	<b>Height</b>	11.5x13mm
	<b>Width</b>	MMC potocal
	<b>Transfer Rate</b>	Up to 250 MB/s
	<b>Seek Time</b>	Up to 70 MB/s
	<b>Logical Blocks</b>	64GB (62,537,072,640 Bytes)/128GB (125,074,145,280)
	<b>Operating Temperature</b>	0 to 70
	<b>Security Features</b>	HS400

#### NETWORKING/COMMUNICATIONS

<b>Intel Jefferson Peak2 9560 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 5.0 Combo<sup>1</sup> non-vPro</b>	<b>Wireless LAN Standards</b>	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac IEEE 802.11d IEEE 802.11e IEEE 802.11h IEEE 802.11i IEEE 802.11k IEEE 802.11r IEEE 802.11v
	<b>Interoperability</b>	Wi-Fi certified
	<b>Data Rates</b>	<ul style="list-style-type: none"> <li>•802.11b: 1, 2, 5.5, 11 Mbps</li> <li>•802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</li> <li>•802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</li> <li>•802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz)</li> <li>•802.11ac: MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40MHz, , 80MHz &amp; 160MHz)</li> </ul>
	<b>Modulation</b>	Direct Sequence Spread Spectrum BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM
	<b>Security<sup>3</sup></b>	<ul style="list-style-type: none"> <li>• IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only</li> <li>• AES-CCMP: 128 bit in hardware</li> <li>• 802.1x authentication</li> <li>• WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.</li> <li>• WPA2 certification</li> <li>• IEEE 802.11i</li> </ul>



### Technical Specifications

	<ul style="list-style-type: none"> <li>• Cisco Certified Extensions, all versions through CCX4 and CCX Lite</li> <li>• WAPI</li> </ul>
<b>Network Architecture Models</b>	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
<b>Roaming</b>	IEEE 802.11 compliant roaming between access points
<b>Output Power<sup>2</sup></b>	<ul style="list-style-type: none"> <li>• 802.11b: +18.5dBm minimum</li> <li>• 802.11g: +17.5dBm minimum</li> <li>• 802.11a: +18.5dBm minimum</li> <li>• 802.11n HT20(2.4GHz): +15.5dBm minimum</li> <li>• 802.11n HT40(2.4GHz): +14.5dBm minimum</li> <li>• 802.11n HT20(5GHz): +15.5dBm minimum</li> <li>• 802.11n HT40(5GHz): +14.5dBm minimum</li> <li>• 802.11ac VHT80(5GHz): +11.5dBm minimum</li> <li>• 802.11ac VHT160(5GHz): +11.5dBm minimum</li> </ul>
<b>Power Consumption</b>	<ul style="list-style-type: none"> <li>• Transmit mode: 2.0 W</li> <li>• Receive mode: 1.6 W</li> <li>• Idle mode (PSP) 180 mW (WLAN Associated)</li> <li>• Idle mode: 50 mW (WLAN unassociated)</li> <li>• Connected Standby/Modern Standby: 10mW</li> <li>• Radio disabled: 8 mW</li> </ul>
<b>Power Management</b>	ACPI and PCI Express compliant power management 802.11 compliant power saving mode
<b>Receiver Sensitivity<sup>3</sup></b>	802.11b, 1Mbps: -93.5dBm maximum 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
<b>Antenna type</b>	High efficiency antenna with spatial diversity, mounted in the display enclosure Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications
<b>Form Factor</b>	PCI-Express M.2 MiniCard with CNVi Interface
<b>Dimensions</b>	Type 2230 : 2.3 x 22.0 x 30.0 mm Type 1216: 1.67 x 12.0 x 16.0 mm



### Technical Specifications

<b>Weight</b>	Type 2230 : 2.8g Type 126: 1.3g
<b>Operating Voltage</b>	3.3v +/- 9%
<b>Temperature</b>	<b>Operating</b> 14° to 158° F (–10° to 70° C) <b>Non-operating</b> –40° to 176° F (–40° to 80° C)
<b>Humidity</b>	<b>Operating</b> 10% to 90% (non-condensing) <b>Non-operating</b> 5% to 95% (non-condensing)
<b>Altitude</b>	<b>Operating</b> 0 to 10,000 ft (3,048 m) <b>Non-operating</b> 0 to 50,000 ft (15,240 m)
<b>LED Activity</b>	LED Amber – Radio OFF; LED White – Radio ON
	<ol style="list-style-type: none"> <li>1. Check latest software/driver release for updates on supported security features.</li> <li>2. Maximum output power may vary by country according to local regulations.</li> <li>3. 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).</li> </ol>

### HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0 Wireless Technology

<b>Bluetooth Specification</b>	4.0/4.1/4.2/5.0 Compliant
<b>Frequency Band</b>	2402 to 2480 MHz
<b>Number of Available Channels</b>	Legacy: 0~79 (1 MHz/CH) BLE : 0~39 (2 MHz/CH)
<b>Data Rates and Throughput</b>	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)
<b>Transmit Power</b>	The Bluetooth component shall operate as a Class II Bluetooth device with a maximum transmit power of + 4 dBm for BR and EDR.
<b>Power Consumption</b>	Peak (Tx): 330 mW Peak (Rx): 230 mW Selective Suspend: 17 mW
<b>Bluetooth Software Supported Link Topology</b>	Microsoft Windows Bluetooth Software
<b>Power Management</b>	Microsoft Windows ACPI, and USB Bus Support
<b>Certifications</b>	FCC (47 CFR) Part 15C, Section 15.247 & 15.249
<b>Power Management Certifications</b>	ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL, CSA, and CE Mark
<b>Bluetooth Profiles Supported</b>	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



### Technical Specifications

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)

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### Technical Specifications

#### POWER

<b>45 W AC adapter</b>	<b>Dimensions</b>	95.0x40.0x26.5mm	
	<b>Weight</b>	unit: 200g +/- 10g	
	<b>Input</b>	100 to 240 VAC	
		<b>Input Efficiency</b>	87.74 % at 115 Vac and 88.4 % at 230Vac
		<b>Input frequency range</b>	47 ~ 63 Hz
		<b>Input AC current</b>	Max. 1.4 A at 90 Vac
	<b>Output</b>	<b>Output power</b>	45W
		<b>DC output</b>	19.5V
		<b>Hold-up time</b>	5ms at 115 Vac input
		<b>Output current limit</b>	<8.0A
	<b>Connector</b>	4.5mm Barrel Type	
	<b>Environmental Design</b>	<b>Operating temperature</b>	32oF to 95oF (0oto 35oC)
		<b>Non-operating (storage) temperature</b>	-4oF to 185oF (-20oto 85oC)
		<b>Altitude</b>	0 to 16,400 ft (0 to 5000m)
		<b>Humidity</b>	20% to 95%
<b>Storage Humidity</b>		10% to 95%	
<b>EMI and Safety Certifications</b>	CE Mark - full compliance with LVD and EMC directives		
	* Worldwide safety standards - IEC60950, EN60950, UL60950, Class1, SELV; Agency approvals - C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Class B, CISPR22 Class B, CCC, NOM-1 NYCE.		
	* MTBF - over 200,000 hours at 25°C ambient condition.		
<b>HP 2-cell Long Life Li-Ion (37 Whr)</b>	<b>Dimensions (H x W x L)</b>	4.26 x 207.1 x 137.1 mm (0.173 x 8.45 x 5.59 inch)	
	<b>Weight</b>	0.17 kg (0.37 lb)	
	<b>Cells/Type</b>	2cell Lithium-Ion Polymer cell / 3674C0	
	<b>Voltage</b>	7.6V	
	<b>Amp-hour capacity</b>	4.96Ah	
	<b>Watt-hour capacity</b>	37Wh	
	<b>Temperature</b>	<b>Operating (Charging)</b>	32° to 113° F (0° to 45° C)
		<b>Operating (Discharging)</b>	14° to 122° F (-10° to 60° C)

#### COUNTRY OF ORIGIN

China





### Options and Accessories (sold separately)

Category	Description	Part number	
<b>Cases</b>	HP Business Top Load	25C66AA	
	HP Business Slim Top Load	25C65AA	
	HP Business Backpack	25C67AA	
	HP Essential Top Load Case (up to 15.6")	H2W17AA#xxx	
<b>Docking</b>	HP USB 3.0 Travel Dock	T0K30AA	
	HP 3005pr USB3 Port Replicator	Y4H06AA	
	HP USB-C Universal Dock	1MK33AA	
	HP USB-C Dock w/4.5mm Adapter	2UF95AA	
	HP USB-C Universal Dock Non-Flash (w/4.5mm Adapter)	3DV65AA	
<b>Input/Output</b>	HP Slim USB Keyboard & Mouse	T6T83AA#xxx	
	HP USB Optical Travel mouse	G1K28AA	
	HP Essential USB Mouse	2TX37AA	
	HP Comfort Grip Wireless Mouse	H2L63AA	
	HP Slim Bluetooth Mouse	F3J92AA	
	HP UC Speaker Phone	K7V16AA	
	HP UC Wired Headset	K7V17AA	
	HP Stereo USB Headset	T1A67AA	
	HP Stereo 3.5mm Headset	T1A66AA	
	HDMI to VGA Adapter	H4F02AA	
	HP HDMI to DVI Adapter	F5A28AA	
	HP USB Gigabit RJ45 Adapter	N7P47AA#xxx	
	USB 3.0 to GigLAN/USB	None	
	HP 3-Button USB Laser Mouse	H4B81AA	
	<b>Power</b>	HP 45W Smart AC Adapter (4.5mm)	H6Y88AA#xxx
		HP Notebook Power Bank	N9F71AA
<b>Storage</b>	HP External USB Optical Drive	F2B56AA	
<b>UCC</b>	HP Conferencing Keyboard	K8P74AA	
	HP Speaker Phone	K7V16AA	
	HP Wired Headset	K7V17AA	
<b>Displays</b>	HP ProDisplay P240VA 23.8-inch Monitor	N3H13AA	
	HP EliteDisplay E243m 23.8-inch Collaboration Monitor	1FH48AA	
	HP EliteDisplay E230t 23-Inch Touch Monitor	W2Z50AA	
	HP EliteDisplay S14 14-inch USB-C Portable Monitor	3HX46AA	



### Summary of Changes

Date of change:	Version History:		Description of change:
	V1 to V2		

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