

Overview

HP 255 G7 Notebook PC



1. Webcam LED
2. Webcam
3. Internal microphone
4. Touchpad
5. Touchpad button
6. Audio combo jack

Left

7. USB 3.1 Gen 1 port
8. USB 3.1 Gen 1 port
9. HDMI port (Cable not included)
10. RJ-45/Ethernet port
11. AC Smart Pin adapter plug
12. Power button

Overview



Right

- | | |
|--|-----------------------------|
| 1. Security lock slot (Lock sold separately) | 4. SD Card slot |
| 2. Optical drive (optional) | 5. Hard drive indicator LED |
| 3. USB 2.0 port | 6. Power indicator LED |

Overview

AT A GLANCE

- Preinstalled with Windows 10 versions or FreeDOS
- Choice of AMD Ryzen™ processors
- 15" (39.6 cm) diagonal FHD/HD Anti-Glare Display
- Choice of Integrated Intel® UHD Graphics 620, HD Graphics 620 or Switchable Discrete Graphics NVIDIA GeForce MX110
- Dark Ash Silver or Asteroid Silver color with texture pattern (Color options available in select countries)
- Up to 1TB Hard Drive or 256 GB M.2 PCIe Value Solid State Drive
- Weight starting at 1.78Kgs (3.91 lbs)
- Security features including FW TPM 2.0 and security lock slot (Lock not included)
- Keyboard - Full size textured island-style keyboard with numeric pad
- Touchpad with gestures support
- HP webcam with single digital microphone and HD (supporting WDR- Wide Dynamic Range) or VGA camera
- Two USB 3.1 (Gen 1) ports and One USB 2.0 port
- Wireless LAN (WLAN) up to 802.11ac to keep you connected
- Battery Life up to 10 hours and 30 minutes

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

Features

PRODUCT NAME

HP 255 G7 Notebook PC

OPERATING SYSTEM

Preinstalled OS	Windows 10 Pro 64 ¹
	Windows 10 Home 64 ¹
	Windows 10 Home Single Language 64 ¹
	Windows 10 Pro 64 (National Academic only) ²
	FreeDOS

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.

PROCESSOR

AMD Ryzen™ 5 2500U APU with Radeon™ Vega Graphics (2 GHz base frequency, up to 3.6 GHz burst frequency, 6 MB cache, 4 cores)^{3,4,5}

AMD Ryzen™ 3 2200U APU with Radeon™ Vega Graphics (2.5 GHz base frequency, up to 3.4 GHz burst frequency, 5 MB cache, 2 cores)^{3,4,5}

AMD A9-9425 APU with Radeon™ R5 Graphics (3.1 GHz base frequency, up to 3.7 GHz burst frequency, 1 MB cache, 2 cores)^{3,4,5}

AMD A6-9225 APU with Radeon™ R4 Graphics (2.6 GHz base frequency, up to 3 GHz burst frequency, 1 MB cache, 2 cores)^{3,4,5}

AMD A4-9125 APU with Radeon™ R3 Graphics (2.3 GHz base frequency, up to 2.6 GHz burst frequency, 1 MB cache, 2 cores)^{3,4,5}

Processor Family

AMD Ryzen™ 5 Mobile Processors⁵

AMD Ryzen™ 3 Mobile Processors⁵

7th Generation AMD A9 APU processor (A9-9425)⁵

7th Generation AMD A6 APU processor (A6-9225)⁵

7th Generation AMD A4 APU processor (A4-9125)⁵

3. Multi core 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. AMD's numbering, branding and/or naming is not a measurement of clock speed.

4. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

Features

5. 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>.

CHIPSET

Chipset is integrated with processor

GRAPHICS

Integrated

AMD Radeon Vega 8 Mobile Graphics
AMD Radeon Vega 3 Mobile Graphics
AMD Radeon™ R5 Graphics
AMD Radeon™ R4 Graphics
AMD Radeon™ R3 Graphics

Supports

Support HD decode, DX12, HDMI 1.4b⁶

6. HDMI cable sold separately.

DISPLAY

Internal

Non-Touch

39.6 cm (15.6") diagonal HD SVA eDP anti-glare WLED-backlit slim, 220 cd/m², 67% sRGB (1366 x 768)^{7,8}

39.6 cm (15.6") diagonal FHD SVA eDP anti-glare WLED-backlit slim, 220 cd/m², 67% sRGB (1920 x 1080)^{7,8}

HDMI

Port supports resolutions up to 1920 x 1200 external resolution @60 Hz

7. HD content required to view HD images.

8. Resolutions are dependent upon monitor capability, and resolution and color depth settings.

STORAGE AND DRIVES

Primary Storage

1 TB 5400 rpm SATA⁹
500 GB 7200 rpm SATA⁹
500 GB 5400 rpm SATA⁹

Primary M.2 Storage

128 GB SATA-3 TLC Solid State Drive⁹
256 GB SATA-3 TLC Solid State Drive⁹
256 GB PCIe Gen3x4 NVMe Value Solid State Drive⁹

Features

9. 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.

MEMORY

Maximum Memory

16 GB DDR4-2400 SDRAM¹⁰

8 GB DDR4-1866 SDRAM¹⁰

Memory

8 GB DDR4-2400 SDRAM (1 x 8 GB)

8 GB DDR4-2400 SDRAM (2 x 4 GB)¹⁰

4 GB DDR4-2400 SDRAM (1 x 4 GB)

8 GB DDR4-1866 SDRAM (1 x 8 GB)

4 GB DDR4-1866 SDRAM (1 x 4 GB)

Memory Slots

2 SODIMM (AMD Ryzen™ Mobile Processors)

DDR4 PC4 SODIMMS, system runs at 2400 (AMD Ryzen™ Mobile Processors)

1 SODIMM (7th Generation AMD APU processor)

Supports Dual Channel Memory¹¹

DDR4 PC4 SODIMMS, system runs at 1866 (7th Generation AMD APU processor)

All slots are customer non-accessible / non-upgradeable

10. 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.

11. Dual channel memory support only for AMD Ryzen™ APU processors.

NETWORKING/COMMUNICATIONS

WLAN

Realtek 802.11ac (1x1) and Bluetooth® 4.2 Combo¹²

Miracast

Compatible with Miracast-certified devices¹³

Ethernet

Integrated 10/100/1000 GbE NIC

12. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.

13. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.

AUDIO/MULTIMEDIA

Audio

2 Integrated stereo speakers

Camera

HP TrueVision HD Camera^{7,14}

Webcam

VGA webcam¹⁴

Optical Drive

Optional DVD-Writer^{15,16}

7. HD content required to view HD images.

14. Sold separately or as an optional feature.

15. Unit shipped with either "DVD+/-RW SuperMulti DL" or "DVD Writer Drive." Units undergoing repairs may be returned with a "DVD+/-RW SuperMulti DL."

16. HD-DVD disks cannot be played on this drive. No support for DVD-RAM. Actual speeds may vary. Don't copy copyright protected materials. Double Layer discs can store more data than single layer discs; discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

Keyboard - Full size textured island-style keyboard with numeric pad

Pointing Device

Touchpad with multi-touch gesture support

Function Keys

F1 - Open "How to get help in Windows 10" webpage

F2 - Brightness Down

F3 - Brightness Up

F4 - Display Switching

F5 - Blank

F6 - Mute

F7 - Volume Down

F8 - Volume Up

F9 - Previous

F10 - Play/Pause

F11 - Next

F12 - Airplane mode

SOFTWARE AND SECURITY

Preinstalled Software

HP JumpStart

HP Documentation

HP Setup Integrated OOBE

HP SSRM

HP Audio Switch

HP Support Assistant¹⁷

McAfee LiveSafe™

Security Management

TPM 2.0¹⁸

Security lock slot (Lock sold separately)

17. HP Support Assistant requires Windows and Internet access.

18. 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). 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).

POWER

Power Supply

65 W EM Smart AC adapter¹⁹
45 W Smart AC adapter¹⁹

Primary Battery

3-cell, 41 Wh Li-ion Battery²⁰

Power Cord

1M (3.28 feet) length power cord¹⁹

Battery Life

Up to 10 hours and 30 minutes hrs²¹

Battery Weight

0.18 kg
0.39 lb

19. Availability may vary by country.

20. Battery is internal and not replaceable by customer. Serviceable by warranty.

21. 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 <http://www.bapco.com> for additional details.

WEIGHTS & DIMENSIONS

Product Weight

Starting at 3.91 lbs²²
Starting at 1.78 kgs²²

Product Dimensions (w x d x h)

14.8 x 9.68 x 0.89 in
37.6 x 24.6 x 2.25 cm

22. Weight will vary by configuration.

PORTS/SLOTS

Ports

2 USB 3.1 Gen 1
1 USB 2.0
1 HDMI v1.4b⁶
1 RJ-45
1 AC power

1 Headphone/microphone combo jack

Expansion Slots

1 multi-format digital media reader

Supports SD, SDHC, SDXC

6. HDMI cable sold separately.

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 except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. 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>.²³

23. 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 <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.

SYSTEM UNIT

Stand-Alone Power Requirements (AC Power)

Nominal Operating Voltage	19.5 V
Average Operating Power	Win 10
Integrated graphics	6.87W
Max Operating Power	Discrete < 65W UMA < 45W

Temperature

Operating	32° to 95° F (0° to 35° C) (not writing optical) 41° to 95° F (5° to 35° C) (writing optical)
Non-operating	-4° to 140° F (-20° to 60° C)

Relative Humidity

Operating	10% to 90%, non-condensing
Non-operating	5% to 95%

Shock

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

Random Vibration

Operating	1.043 grms
Non-operating	3.5 grms

Planned Industry Standard Certifications

UL	Yes
CSA	No
FCC Compliance	Yes
ENERGY STAR®	Yes ²⁴
EPEAT	EPEAT Silver ²⁵
ICES	Yes
Australia /	Yes
NZ A-Tick Compliance	Yes
CCC	Yes
Japan VCCI Compliance	Yes
KC	Yes
BSMI	Yes
CE Marking Compliance	Yes
BNCI or BELUS	Yes
CIT	Yes
GOST	Yes
Saudi Arabian Compliance (ICCP)	Yes
SABS	Yes

24. Configurations of the HP 255 G7 that are ENERGY STAR® certified are identified as HP 255 G7 ENERGY STAR on HP websites and on <http://www.energystar.gov>.

25. EPEAT® registered where applicable. EPEAT registration varies by country. See <http://www.epeat.net> for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at <http://www.hp.com/go/options>.

DISPLAYS

Note: All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

15.6" diagonal HD WLED AntiGlare (1366x768) slim-flat (3.2mm) SVA, eDP	Outline Dimensions (W x H x D)	360 x 224.3 x 3.2 (max)	
	Active Area	344.2 x 193.5	
	Weight	420 max.	
	Diagonal Size	15.6 (inch)	
	Thickness	3.2mm max	
	Interface	eDP 1.2 (1 lane)	
	Surface Treatment	Anti-glare (AG)	
	Touch Enabled	NO	
	Contrast Ratio	300:1 (typ)	
	Refresh Rate	60Hz	
	Brightness	220 nit typ	
	Pixel Resolution	Format	1366 x 768 (HD)
		Configuration	RGB
	Backlight	LED	
	Color Gamut Coverage	45%	
15.6" diagonal FHD WLED AntiGlare (1920x1080) slim-flat (3.2mm) SVA, eDP	Color Depth	6 bits (Hi FRC)	
	Viewing Angle	SVA 40/40/15/30	
	Outline Dimensions (W x H x D)	360.0 x 224.3mm max	
	Active Area	344.16 x 193.59	
	Weight	370g max.	
	Diagonal Size	15.6 (inch)	
	Thickness	3.2mm max	
	Interface	eDP 1.2	
	Surface Treatment	Anti-glare (AG)	
	Touch Enabled	NO	
	Contrast Ratio	300:1 (typ)	
	Refresh Rate	60Hz	
	Brightness	220 nit typ	
	Pixel Resolution	Format	1920 x 1080 (FHD)
		Configuration	RGB

Backlight	LED
Color Gamut Coverage	45%
Color Depth	6 bits + FRC
Viewing Angle	SVA 45/45/25/35

STORAGE AND DRIVES

500 GB 5400 rpm SATA Hard Drive

Drive Weight	92g(0.20lb)
Rotation speed	5400 rpm
Cache Buffer	Up to 128MB
Height	7.0 +/- 0.2 mm (0.28 +/- .008 in)
Width	69.85 +/- 0.25 mm (2.750 +/- 0.010 in)
Interface	ATA-8, SATA 3.0
Transfer Rate	600 MB/s
Seek Time	Single Track: 2 ~ 1.5 ms Average: 11 ~ 16 ms Maximum: 18 ~ 22 ms
Logical Blocks	976,773,168
Operating Temperature	0° to 60°C
Security Features	ATA Security
Features	S.M.A.R.T., NCQ, Ultra DMA

500 GB 7200 rpm SATA Hard Drive

Drive Weight	<95g (0.209lb)
Rotation speed	500 GB
Cache Buffer	6.8 +/- 0.2 mm (0.268 +/- .008 in)
Height	7.0 +/- 0.2 mm (0.28 +/- .008 in)
Width	69.85 +/- 0.25 mm (2.750 +/- 0.010 in)
Interface	ATA-8, SATA 3.0
Transfer Rate	600 MB/s
Seek Time	Single Track: 2 ~ 1.5 ms Average: 11 ~ 13 ms Maximum: 18 ~ 22 ms
Logical Blocks	976,773,168
Operating Temperature	0° to 60°C
Security Features	ATA Security
Features	S.M.A.R.T., NCQ, Ultra DMA

1 TB 5400 rpm SATA Hard Drive

Drive Weight	90g(0.198lb)
Rotation speed	5400 rpm
Cache Buffer	Up to 128MB

Height	<7.2mm
Width	69.85 +/- 0.25 mm (2.750 +/- 0.010 in)
Interface	ATA-8, SATA 3.0
Transfer Rate	600 MB/s
Seek Time	Single Track: 2 ~ 1.5 ms Average: 11 ~ 16 ms Maximum: 18 ~ 22 ms
Logical Blocks	976,773,168
Operating Temperature	0° to 60°C
Security Features	ATA Security
Features	S.M.A.R.T., NCQ, Ultra DMA

128 GB 2280 M2 SATA-3 TLC Solid State Drive

Drive Weight	0.02 lb (10 g)
Height	0.09 in (2.3 mm)
Width	0.87 in (22 mm)
Interface	ATA-8, SATA 3.0
Transfer Rate	550MB/s
Logical Blocks	250,069,680
Operating Temperature	32° to 158°F (0° to 70°C) [ambient temp]
Security Features	ATA Security
Features	DIPM; TRIM; DEVSLP

256 GB 2280 M2 SATA-3 TLC Solid State Drive

Drive Weight	0.02 lb (10 g)
Height	0.09 in (2.3 mm)
Width	0.87 in (22 mm)
Interface	ATA-8, SATA 3.0
Transfer Rate	550MB/s
Logical Blocks	500,118,192
Operating Temperature	32° to 158°F (0° to 70°C) [ambient temp]
Security Features	ATA Security
Features	DIPM; TRIM; DEVSLP

256 GB 2280 M2 PCIe NVMe Value Solid State Drive

Form Factor	M.2 2280
Capacity	256 GB
NAND Type	TLC
Height	0.09 in (2.3 mm)
Width	0.87 in (22 mm)
Weight	0.01 lb (6 g) ~ 0.02 lb (10 g)

Interface	PCIe NVMe Gen3x2
Maximum Sequential Read	Up To 1500 MB/s
Maximum Sequential Write	Up To 1000 MB/s
Logical Blocks	500,118,192
Operating Temperature	32° to 158°F (0° to 70°C) [ambient temp]
Features	DIPM; TRIM; DEVSLP

NETWORKING/COMMUNICATIONS

WLAN

**Realtek RTL8821CE
802.11ac 1x1 WiFi +
Bluetooth® 4.2 Combo
Adapter (MU-MIMO
supported)**

Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac
Interoperability	Wi-Fi® certified
Frequency Band	802.11b/g/n •2.402 – 2.482 GHz 802.11a/n •4.9 – 4.95 GHz (Japan) •5.15 – 5.25 GHz •5.25 – 5.35 GHz •5.47 – 5.725 GHz •5.825 – 5.850 GHz
Data Rates	• 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	Direct Sequence Spread Spectrum BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM
Security³	• IEEE and Wi-Fi® compliant 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

Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
Roaming	IEEE 802.11 compliant roaming between access points
Output Power²	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
Power Consumption	Transmit: 2.0 W (max) Receive: 1.6 W (max) Idle mode (PSP): 180 mW (WLAN Associated) Idle mode: 50 mW (WLAN unassociated) Connect Standby: 10 mW (WLAN+BT) Radio disabled: 8 mW
Power Management	ACPI and PCI Express compliant power management 802.11 compliant power saving mode
Receiver Sensitivity³	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
Antenna type	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
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 14° to 158° F (-10° to 70° C) Non-operating -40° to 176° F (-40° to 80° C)
Humidity	Operating 10% to 90% (non-condensing) Non-operating 5% to 95% (non-condensing)
Altitude	Operating 0 to 10,000 ft (3,048 m) Non-operating 0 to 50,000 ft (15,240 m)
LED Activity	LED Amber – Radio OFF; LED White – Radio ON

1. [Check latest software/driver release for updates on supported security features.](#)
2. [Maximum output power may vary by country according to local regulations.](#)

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).

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)
Signaling Data Rate	Legacy: 3 Mbps signaling data rate up to 2.17 Mbps BLE: 1 Mbps signaling data rate 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.

POWER

HP 65 W Smart AC adapter

Dimensions (H x W x D)	108 x 47 x 37.4mm
Weight	250g
Input	100 to 240 VAC Input Efficiency 88.0 % at 115 VAC and 89.0 % at 230VAC Input frequency range 50~ 60 Hz Input AC current Max. 1.7 A at 90 VAC
Output	Output power 65W DC output 19.5V Hold-up time 5ms at 115 VAC input Output current limit The power supply shall limit the maximum steady state output current to an average current of 11 Amperes.
Connector	4.5mm Barrel Type
Environmental Design	Operating temperature 32° to 95° F (0° to 35° C) Non-operating (storage) temperature -4° to 185° F (-20° to 85° C) Altitude The power supply can be operated at 5,000 m above sea level Humidity The power supply shall withstand without degradation with 95% relative humidity, non-condensing, both operating and non-operating
EMI and Safety Certifications	*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.	
45 W AC adapter	Dimensions (H x W x D)	95x40x26.5mm	
	Weight	200g	
	Input	100 to 240 VAC	
		Input Efficiency	87.8 % at 115 VAC and 88.5 % at 230VAC
	Output	Input frequency range	50~ 60 Hz
		Input AC current	Max. 1.4 A at 90 VAC
		Output power	45W
		DC output	19.5V
		Hold-up time	5ms at 115 VAC input
		Output current limit	The power supply shall limit the maximum steady state output current to an average current of 8 Amperes.
	Connector	4.5mm Barrel Type	
	Environmental Design	Operating temperature	32° to 95° F (0° to 35° C)
		Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)
		Altitude	The power supply can be operated at 5,000 m above sea level
		Humidity	The power supply shall withstand without degradation with 95% relative humidity, non-condensing, both operating and non-operating
	EMI and Safety Certifications	*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.	
HP 65 W Smart AC adapter (EM)	Dimensions (H x W x D)	102x55x30mm	
	Weight	270g	
	Input	100 to 240 VAC	
		Input Efficiency	88.0 % at 115 VAC and 89.0 % at 230VAC
	Output	Input frequency range	50~ 60 Hz
		Input AC current	Max. 1.7 A at 90 VAC
		Output power	65W
		DC output	19.5V
		Hold-up time	5ms at 115 VAC input
		Output current limit	The power supply shall limit the maximum steady state output current to an average current of 11 Amperes.
	Connector	4.5mm Barrel Type	
	Environmental Design	Operating temperature	32° to 95° F (0° to 35° C)

Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)
Altitude	The power supply can be operated at 5,000 m above sea level
Humidity	The power supply shall withstand without degradation with 95% relative humidity, non-condensing, both operating and non-operating

EMI and Safety Certifications	*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.
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HP 3-cell Li-Ion (41 WHr)	Dimensions (H x W x L)	6.0 x 186.85 x 90.2 mm (0.236 x 7.35 x 3.55 inch)
	Weight	0.18 kg (0.39 lb)
	Cells/Type	3cell Lithium-Ion Polymer cell / 515974
	Voltage	11.4V
	Amp-hour capacity	3.6Ah
	Watt-hour capacity	41Wh
	Operating (Charging)	32° to 113° F (0° to 45° C)
	Operating (Discharging)	14° to 122° F (-10° to 60° C)
	Optional Travel Battery Available	No

HP 3-cell Li-Ion (41 WHr)	Dimensions (H x W x L)	6.0 x 186.85 x 90.2 mm (0.236 x 7.35 x 3.55 inch)
	Weight	0.19 kg (0.41 lb)
	Cells/Type	3cell Lithium-Ion Prismatic cell / 496080
	Voltage	11.55V
	Amp-hour capacity	3.615Ah/3.63Ah
	Watt-hour capacity	41Wh
	Operating (Charging)	32° to 113° F (0° to 45° C)
	Operating (Discharging)	14° to 122° F (-10° to 60° C)
	Optional Travel Battery Available	No

Country of Origin

China

Category	Description	Part Number
Cases	HP Essential Top Load Case	H2W17AA#xxx
	HP Essential Backpack (up to 15.6")	H1D24AA
	HP Essential Messenger Case (up to 17.3")	H1D25AA
Docking	HP 3005PR USB3 Port Replicator	Y4H06AA
	HP USB Travel Dock	T0K30AA
	HP Monitor Stand	M9X76AA
Input/Output	HP Slim USB Keyboard and Mouse	T6T83AA
	HP Slim Wireless Keyboard and Mouse	T6L04AA
	HP 3-Button USB Laser Mouse	H4B81AA
	HP USB Travel Mouse	G1K28AA
	HP Comfort Grip Wireless Mouse	H2L63AA
	HP Ultra Mobile Wireless Mouse	H6F25AA#xxx
	HP HDMI to DVI Adapter	F5A28AA
	HP Stereo USB Headset	T1A67AA
	HP Stereo 3.5mm Headset	T1A66AA
Power	HP 45W Smart AC Adapter 4.5mm	H6Y88AA#XXX
	HP 65W Smart AC Adapter	H6Y89AA#xxx
	HP 65W Slim AC Adapter	H6Y82AA#xxx
Storage	HP External USB Optical Drive	F2B56AA
Memory	HP 4GB 2666Mhz DDR4	4VN05AA
	HP 8GB 2666Mhz DDR4	4VN06AA
Displays	HP S140u 14-inch Portable Display	G8R65AA
	HP ProDisplay P223 21-5 inch Monitor	X7R61AA
	HP ProDisplay P232 23-inch Monitor	K7X31AA
	HP ProDisplay P240va 23.8-inch Monitor	N3H14AA
	HP EliteDisplay S14 14-inch USB-C Portable Monitor	3HX46AA

Summary of Changes

Date of change:	Version History:		Description of change:
January 2, 2019	From v1 to v2	Removed	Memory 16 GB
March 1, 2019	From v2 to v3	Removed	USB-C Travel Dock
March 4, 2019	From v3 to v4	Removed	Battery Life
March 18, 2019	From v4 to v5	Added	Battery Life

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