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



- 1. Security lock slot (Lock sold separately)
- 2. Optical drive (optional)
- 3. USB 2.0 port

Right

- 4. SD Card slot
- 5. Hard drive indicator LED
- 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 64¹

Windows 10 Home 641

Windows 10 Home Single Language 64¹ 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 3500U with Radeon™ Vega 8 Graphics (2.1GHz base frequency, up to 3.7GHz burst frequency, 4 MB cache, 4 cores)^{3,4,5}

AMD Ryzen™ 3 3300U Mobile Processor with Radeon™ Vega 6 Graphics (2.1GHz base frequency, up to 3.5GHz burst frequency, 4 MB cache, 4 cores) 3,4,5

AMD Ryzen™ 3 3200U Mobile Processor with Radeon™ Vega 3 Graphics (2.6GHz base frequency, up to 3.5GHz burst frequency, 4 MB cache, 2 cores) 3,4,5

AMD Ryzen™ 3 3250U (2.6GHz base frequency, up to 3.5GHz burst frequency, 4 MB cache, 2 cores) 3,4,5

AMD Athlon™ Gold 3150U (2.4GHz base frequency, up to 3.3GHz burst frequency, 4 MB cache, 2 cores) 3.4.5

AMD Athlon™ Silver 3050U (2.3GHz base frequency, up to 3.2GHz burst frequency, 4 MB cache, 2 cores) 3,4,5

AMD 3020e (1.2 GHz base frequency, up to 2.6 GHz burst frequency, 4 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
AMD Athlon™ Mobile Processors⁵
AMD 3000 Series Mobile Processors⁵
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



Features

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.
- 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 Graphics AMD Radeon™ Vega 6 Graphics AMD Radeon™ Vega 3 Graphics AMD Radeon™ R4 Graphics AMD Radeon™ R3 Graphics AMD Radeon™ 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/m 2 , 67% sRGB (1366 x 768) $^{7.8}$ 39.6 cm (15.6") diagonal FHD SVA eDP anti-glare WLED-backlit slim, 220 cd/m 2 , 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.



Features

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

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

8 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) 8 GB DDR4-1866 SDRAM (2 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-Writer15,16

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 DVDRAM. 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

Kevboard

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 00BE

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. Onsite 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

 $\begin{array}{ccc} \text{UL} & & \text{Yes} \\ \text{CSA} & & \text{No} \\ \text{FCC Compliance} & & \text{Yes} \\ \text{ENERGY STAR}^{\circledcirc} & & \text{Yes}^{24} \\ \end{array}$

EPEAT® 2019 Yes, Silver in U.S.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

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.

Yes



SABS

25. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit http://www.epeat.net for more information.

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 $(W \times H \times D)$

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

1366 x 768 (HD) **Format** RGB

Configuration

LED Backlight **Color Gamut Coverage** 45%

Color Depth 6 bits (Hi FRC) Viewing Angle SVA 40/40/15/30

15.6" diagonal FHD WLED Outline Dimensions AntiGlare (1920x1080) slim-flat (3.2mm) SVA, eDP

360.0 x 224.3mm max

 $(W \times H \times D)$

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 (tvp) **Refresh Rate** 60Hz **Brightness** 220 nit typ

Format 1920 x 1080 (FHD) **Pixel Resolution**

Configuration **RGB**

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

STORAGE AND DRIVES

500 GB 5400 rpm SATA Dard Drive Drive Weight92g(0.20lb)Rotation speed5400 rpmCache BufferUp 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 Blocks976,773,168Operating Temperature0° to 60°CSecurity FeaturesATA Security

Features S.M.A.R.T., NCQ, Ultra DMA

1 TB 5400 rpm SATA Hard Drive Drive Weight90g(0.198lb)Rotation speed5400 rpmCache BufferUp to 128MBHeight<7.2mm</th>

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 Blocks976,773,168Operating Temperature0° to 60°CSecurity FeaturesATA 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)

InterfacePCIe NVMe Gen3x2Maximum SequentialUp To 1500 MB/s

Read

Maximum Sequential

Up To 1000 MB/s

Write

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
Wi-Fi® certified

Interoperability Wi-Fi® certified 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 WiFi® 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

Ad-hoc (Peer to Peer)

Models

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

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 Legacy: 0~79 (1 MHz/CH) **Channels** 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 32° to 95° F (0° to 35° C) temperature

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

Input frequency range 50~ 60 Hz

Input AC current Max. 1.4 A at 90 VAC

Output 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 DesignOperating
32° to 95° F (0° to 35° C)

temperature

Non-operating (storage)

-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 270q

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.

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	TOK30AA	
	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
May 17, 2019	From v5 to v6	Updated	Memory section
June 13, 2019	From v6 to v7	Updated	EPEAT
August 27, 2020	From v7 to v8	Updated	Processor & Graphics section

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