

### Overview

#### HP 255 G10 Notebook PC



#### Left

1. Internal Dual Digital Microphone (2)
2. Webcam
3. Camera Shutter
4. Webcam LED
5. Clickpad
6. Audio Combo Jack
7. SuperSpeed USB Type-C® 5Gbps signaling rate1 (Supports data transfer only and does not support charging or external monitors)
8. HDMI Port (Cable Sold Separately)
9. SuperSpeed USB Type-A 5Gbps signaling rate1 port (USB 3.2 Gen 1)

### Overview



#### Right

1. Power Button
2. Power Connector
3. SuperSpeed USB Type-A 5Gbps signaling rate1 port (USB 3.2 Gen 1)
4. Fingerprint Reader (Select Models)

### Overview

#### At a Glance

- Preinstalled with Windows 11 Pro, Windows Home or FreeDOS
- Choice of AMD Ryzen™ APU processors
- Choice of 39.62 cm (15.6") diagonal HD and Ultra Wide Viewing Angle FHD 300 nit displayOptimize your video calls with an FHD camera(optional) and temporal noise reduction that adjusts the lighting to your environment.
- Fast dual channel DDR4 SODIMM memory up to 16 GB
- Enhanced security features including discrete TPM 2.0 for BCL-R, Firmware TPM for MDN and optional Fingerprint reader.
- Weight with basic configurations starting at 3.3lb/1.52kg
- Support wireless options for connectivity on the go including gigabit-speed up to Wi-Fi® 6
- Supports fast charging (50% in 45 minutes) with no impact on battery recharge cycles
- Full size, optional backlit keyboard and spill resistant, clickpad with Precision Touchpad Supported certified
- Camera shutter door to ensure privacy
- Undergoes MIL-STD 810H tests<sup>1</sup>

1. MIL-STD 810H is not intended to demonstrate fitness of U.S. Department of Defense 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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## Technical Specifications

### PRODUCT NAME

HP 255 G10 Notebook PC

### OPERATING SYSTEMS

#### Preinstalled

Windows 11 Pro <sup>1</sup>  
 Windows 11 Pro Education<sup>1</sup>  
 Windows 11 Home – HP recommends Windows 11 Pro for business<sup>1</sup>  
 Windows 11 Home Single Language – HP recommends Windows 11 Pro for business<sup>1</sup>  
 Windows 11 Home Education – HP recommends Windows 11 Pro for business<sup>1</sup>  
 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

### PROCESSORS

| Processor <sup>3,4,5</sup> | Cores | Threads | L3 Cache | Max Boost Frequency <sup>5</sup> | Base Frequency |
|----------------------------|-------|---------|----------|----------------------------------|----------------|
| AMD Ryzen™ 7-7730U         | 8     | 16      | 16MB     | 4.50GHz                          | 2.00GHz        |
| AMD Ryzen™ 5-7530U         | 6     | 12      | 16MB     | 4.50GHz                          | 2.00GHz        |
| AMD Ryzen™ 5-7520U         | 4     | 8       | 4MB      | 4.3GHz                           | 2.8GHz         |
| AMD Ryzen™ 3-7330U         | 4     | 8       | 8MB      | 4.30GHz                          | 2.30GHz        |
| AMD Ryzen™ 3-7320U         | 4     | 8       | 4MB      | 4.1 GHz                          | 2.4GHz         |

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. AMD's numbering 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. AMD Max Boost frequency performance varies depending on hardware, software and overall system configuration.

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>

### CHIPSET

Chipset is integrated with processor

## Technical Specifications

### GRAPHICS

**Integrated**

AMD Radeon™ Graphics

**Supports**

Support HD decode, DX12, HDMI 1.4b <sup>7</sup>

7. HD content required to view HD images.

### DISPLAY

**Non-Touch**

39.6 cm (15.6") diagonal, FHD (1920 x 1080), Low Blue Light, IPS, anti-glare, UWVA, micro-edge, 300 nits, sRGB 100% eDP 1.4+PSR2 <sup>7,8,9</sup>

39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, SVA, micro-edge, 250 nits, 45% NTSC eDP 1.2 <sup>7,8,9</sup>

39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, anti-glare, UWVA, micro-edge, 250 nits, 45% NTSC eDP 1.2 <sup>7,8,9</sup>

39.6 cm (15.6") diagonal, HD (1366x768), IPS, anti-glare, SVA, micro-edge, 250 nits, 45% NTSC eDP 1.2 <sup>7,8,9</sup>

**HDMI**

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

**Display Size (Diagonal)**

15.6"

39.6 cm (15.6")

7. HD content required to view HD images.

8. Sold separately or as an optional feature.

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

### STORAGE AND DRIVES

**Primary M.2 Storage**

1 TB PCIe® NVMe™ M.2 SSD <sup>10</sup>

1 TB PCIe® Gen4x4 NVMe™ M.2 SSD TLC <sup>10,11</sup>

512 GB PCIe® NVMe™ M.2 QLC Solid State Drive <sup>10</sup>

256 GB PCIe® NVMe™ M.2 QLC Solid State Drive <sup>10</sup>

128 GB PCIe® NVMe™ TLC Solid State Drive<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 and 11) is reserved for system recovery software.

11. Available only to HK (Hong Kong), TW(Taiwan) and CN (China).

## Technical Specifications

### MEMORY

**Maximum Memory**

16 GB DDR4-3200 SDRAM <sup>12,13</sup>

**Memory**

16 GB DDR4-3200 SDRAM (1 x 16 GB) <sup>12,13</sup>

16 GB DDR4-3200 SDRAM (2 x 8 GB) <sup>12,13</sup>

8 GB DDR4-3200 SDRAM (1 x 8 GB) <sup>12,13</sup>

8 GB DDR4-3200 SDRAM (2 x 4 GB) <sup>12,13</sup>

8GB LPDDR5-5500 (onboard) <sup>12,13</sup>

4 GB DDR4-3200 SDRAM (1 x 4 GB) <sup>12,13</sup>

4GB LPDDR5-5500 (onboard) <sup>12,13</sup>

**Memory Slots**

2 SODIMM (BCL-R only) <sup>12,13</sup>

Support Dual Channel Memory

12. All slots are non-accessible / non-upgradeable.

13. 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.

### NETWORKING/COMMUNICATIONS

**WLAN**

Realtek 8852BE-VS (1X1) Wi-Fi® 6 Bluetooth® 5.3 WLAN Wireless Card <sup>14</sup>

Realtek 8852BE (2X2) Wi-Fi® 6 Bluetooth® 5.3 WW WLAN Wireless Card <sup>14</sup>

**Miracast**

Compatible with Miracast-certified devices (For Win11) <sup>15</sup>

14. Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs.

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

### Technical Specifications

#### AUDIO/MULTIMEDIA

**Audio**

2 Integrated stereo speakers  
Integrated Microphone

**Camera**

720p HD camera with Temporal Noise Reduction <sup>7</sup>  
1080p FHD camera with Temporal Noise Reduction <sup>7</sup>

[7. HD content required to view HD images.](#)

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

**Keyboard**

Full Size Textured island-style Keyboard and optional Backlit and spill resistant <sup>16</sup>

**Pointing Device**

Touchpad with multi-touch gesture support (PTP certified)

**Function Keys**

ESC: system information

F1 - Open " How to get help in Windows 11" 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

[16. Backlit keyboard is an optional feature.](#)

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## Technical Specifications

### SOFTWARE AND SECURITY

#### Software

HP Smart Health <sup>17</sup>

ENERGY STAR® UWP (Universal Windows Platform for Windows)

Express VPN

Microsoft Office (Microsoft office sold separately. Internet access required for activation)

WPS Office

Dropbox Promotion <sup>18</sup>

HP QuickDrop<sup>19</sup>

E-QR Code

sMedio True DVD for HP

#### Manageability Features

HP SSRM (HP Support Sent Recovery Media) <sup>20</sup>

Windows Push Button Reset Recovery <sup>21</sup>

#### Security Management

McAfee LiveSafe™ <sup>22</sup>

17. HP Smart Health requires HP TechPulse, a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP TechPulse follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to TechPulse portal is required. For full system requirements, please visit <http://www.hpdaas.com/requirements>. Purchase of any HP TechPulse-enabled service necessitates enabling software to run on each device. HP Services Scan is provided thru Windows Update and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. To disable this feature, please follow the instructions at <http://www.hpdaas.com/requirements>.

18. 100 GB of free Dropbox storage 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.

19. HP Quick Drop requires Internet access and Windows 10 and higher PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HP QuickDrop app, and /or an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.

20. Sold separately or as an optional feature.

21. Must activate within 180 days of Windows activation.

22. 30-day McAfee® LiveSafe™ trial included. Internet access required and not included. Subscription required after expiration. See <http://www.McAfee.com> for more details.



### Technical Specifications

#### POWER

##### Power Supply

HP Smart 65 W EM External AC power adapter<sup>23</sup>

HP Smart 45 W External AC power adapter <sup>23</sup>

##### Battery

HP Long Life 3-cell, 41 Wh Li-ion Polymer <sup>24,25</sup>

##### Power Cord

1M (3.28 feet) length power cord

##### Battery Life

Up to 12 hours and 1 minutes with 41 whr battery(HP Long Life 3-Cell, 41 Whr Polymaer, UMA graphic, AMD MDN, display set to 200 nits, 2\*4G memory, 256 GB SSD)<sup>26</sup>

##### Battery Weight

1.85 lb

0.407 kg

23. Availability may vary by country.

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

25. Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

26. MM18 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.

#### WEIGHTS & DIMENSIONS

##### Product Weight

Starting at 3.3 lb <sup>27</sup>

Starting at 1.52 kg<sup>27</sup>

##### Product Dimensions (W x D x H)

14.17 x 9.29 x 0.73 in

36 x 23.6 x 1.86 cm

##### Packaging Dimensions (W x D x H) <sup>28</sup>

12-15" boxes (305mm height): 1200mm x 1000mm x 1080mm

27. Weight will vary by configuration. Does not include power adapter.

28. Product packaging size varies based on options chosen. Please contact your HP representative for your packaging size details.

### Technical Specifications

#### PORTS/SLOTS

- 2 SuperSpeed USB Type-A 5Gbps signaling rate
- 1 SuperSpeed USB Type-C® 5Gbps signaling rate (Supports data transfer only and does not support charging or external monitors)
- 1 HDMI v1.4b <sup>29</sup>
- 1 AC Power
- 1 Headphone/microphone combo jack

[29. HDMI cable sold separately](#)

#### SERVICE AND SUPPORT

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>30</sup>

[30. 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.](#)

## Technical Specifications

### SYSTEM UNIT

#### Stand-Alone Power Requirements (AC Power)

|                           |                              |
|---------------------------|------------------------------|
| Nominal Operating Voltage | 19.5V                        |
| Average Operating Power   | 3.73W (Local video playback) |

Integrated graphics Yes

Discrete Graphics N/A

Max Operating Power 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, half-sine

Non-operating 200 G, 2 ms, half-sine

#### Random Vibration

Operating 1.043 grams

Non-operating 3.5 grams

#### 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

Regulatory Model Number TPN-Q287

CSA/UL 62368-1 Yes

ENERGY STAR® Certified <sup>31</sup>

EPEAT® EPEAT® Gold in the United States <sup>32</sup>

FCC/ICES/CISPR/VCCI Yes

CE MARKING Yes

GS Mark Yes

Related commodity should comply with ISO 9241 Standards.

China CCC/SRRC Yes

Taiwan BSMI/NCC Yes

Korea KCC/KC/KES Yes

Ukraine NSoC/TEC Yes

EAEU Compliance Yes

Saudi Arabian Compliance Yes

TCO No

WW RoHS Yes

Low Blue Light Yes

31. Configurations of the HP 255 G10 Notebook PC that are ENERGY STAR® qualified are identified as HP 255 G10 Notebook PC ENERGY STAR on HP websites and on <http://www.energystar.gov>.

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

### DISPLAYS

1. Actual brightness will be lower with touchscreen or HP Sure View.

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

|   |                                       |                        |
|---|---------------------------------------|------------------------|
| <b>15.6 in FHD (1920 x 1080) Anti-Glare UWVA Low Blue Light sRGB NWBZ 300 eDP 1.4+PSR2 100 flat LCD Panel</b> | <b>Outline Dimensions (W x H x D)</b> | 350.960 x 215.840 max. |
|   | <b>Active Area</b>                    | 344.160 x 193.590 typ. |
|   | <b>Weight</b>                         | 310g max.              |
|   | <b>Diagonal Size</b>                  | 15.6 inch              |
|   | <b>Surface Treatment</b>              | Anti-Glare             |
|   | <b>Touch Enabled</b>                  | No                     |
|   | <b>Contrast Ratio</b>                 | 1000:1 typ             |
|   | <b>Refresh Rate</b>                   | 60Hz                   |
|   | <b>Brightness</b>                     | 300 nits <sup>1</sup>  |
|   | <b>Pixel Resolution - Format</b>      | 1920 x 1080 (FHD)      |
|   | <b>Backlight</b>                      | WLED                   |
|   | <b>Pixel Resolution</b>               | RGB                    |
|   | <b>Color Gamut Coverage</b>           | sRGB 100%              |
|   | <b>Color Depth</b>                    | 8                      |
|   | <b>Viewing Angle</b>                  | UWVA 89 / 89 / 89 / 89 |
|   | <b>Low Blue Light</b>                 | Yes                    |
| <b>Power Consumption (W, EBL@ 150nits max/ 200nits max)</b>   | 2.69 (max) / 3.4 (max)                |                        |

|  |                                   |                        |
|--|-----------------------------------|------------------------|
| <b>Panel LCD 15.6-in FHD (1920x1080) Anti-Glare WLED SVA 45percent cg 250nits eDP 1.2 w/o PSR NWBZ ultraslim</b> | <b>Outline Dimensions (W x H)</b> | 350.960 x 216.750 max  |
|  | <b>Active Area</b>                | 344.160 x 193.590 typ. |
|  | <b>Weight</b>                     | 360g max               |
|  | <b>Diagonal Size</b>              | 15.6 inch              |
|  | <b>Surface Treatment</b>          | Anti-Glare             |
|  | <b>Touch Enabled</b>              | No                     |
|  | <b>Contrast Ratio</b>             | 300:1 (typ)            |
|  | <b>Refresh Rate</b>               | 60Hz                   |
|  | <b>Brightness</b>                 | 250 nits <sup>1</sup>  |
|  | <b>Pixel Resolution - Format</b>  | 1920 x 1080 (FHD)      |
|  | <b>Backlight</b>                  | WLED                   |
|  | <b>Pixel Resolution</b>           | RGB                    |
|  | <b>Color Gamut Coverage</b>       | NTSC 45%               |
|  | <b>Color Depth</b>                | 6                      |

## Technical Specifications

|   |                     |
|---|---------------------|
| <b>Viewing Angle</b>  | SVA 45/45/15/30     |
| <b>Low Blue Light</b>                                       | No                  |
| <b>Power Consumption (W, EBL@ 150nits max/ 200nits max)</b> | 2.67 max / 3.33 max |

|  |                                   |                        |
|--|-----------------------------------|------------------------|
| <b>Panel LCD 15.6-in FHD (1920x1080) Anti-Glare WLED UWVA 45percent cg 250nits eDP 1.2 w/o PSR NWBZ slim</b> | <b>Outline Dimensions (W x H)</b> | 350.960 x 216.750 max. |
|  | <b>Active Area</b>                | 344.160 x 193.590 typ. |
|  | <b>Weight</b>                     | 370g max               |
|  | <b>Diagonal Size</b>              | 15.6 inch              |
|  | <b>Surface Treatment</b>          | Anti-Glare             |
|  | <b>Touch Enabled</b>              | No                     |
|  | <b>Contrast Ratio</b>             | 600:1 typ              |
|  | <b>Refresh Rate</b>               | 60Hz                   |
|  | <b>Brightness</b>                 | 250nits <sup>1</sup>   |
|  | <b>Pixel Resolution - Format</b>  | 1920 x 1080 (FHD)      |
|  | <b>Backlight</b>                  | WLED                   |
|  | <b>Pixel Resolution</b>           | RGB                    |
|  | <b>Color Gamut Coverage</b>       | NTSC 45%               |
|  | <b>Color Depth</b>                | 6                      |
| <b>Viewing Angle</b>   | UWVA 85/85/85/85                  |                        |
| <b>Low Blue Light</b>  | No                                |                        |
| <b>Power Consumption (W, EBL@ 150nits max/ 200nits max)</b>  | 2.88 max / 3.54 max               |                        |

|  |                                   |                       |
|--|-----------------------------------|-----------------------|
| <b>Panel LCD 15.6-in HD (1366x768) Anti-Glare WLED SVA 45percent cg 250nits eDP 1.2 w/o PSR NWBZ ultraslim</b> | <b>Outline Dimensions (W x H)</b> | 351.030 x 216.750 max |
|  | <b>Active Area</b>                | 344.230 x 193.540 typ |
|  | <b>Weight</b>                     | 370g max              |
|  | <b>Diagonal Size</b>              | 15.6 inch             |
|  | <b>Surface Treatment</b>          | Anti-Glare            |
|  | <b>Touch Enabled</b>              | No                    |
|  | <b>Contrast Ratio</b>             | 300:1 typ             |
|  | <b>Refresh Rate</b>               | 60Hz                  |
|  | <b>Brightness</b>                 | 250nits <sup>1</sup>  |
|  | <b>Pixel Resolution - Format</b>  | 1366 x 768 (HD)       |
|  | <b>Backlight</b>                  | WLED                  |
|  | <b>Pixel Resolution</b>           | RGB                   |
|  | <b>Color Gamut Coverage</b>       | NTSC 45%              |
|  | <b>Color Depth</b>                | 6                     |
| <b>Viewing Angle</b>   | SVA 45/45/15/30                   |                       |

### Technical Specifications

|   |                     |
|---|---------------------|
| <b>Low Blue Light</b>   | No                  |
| <b>Power Consumption (W, EBL@<br/>150nits max/ 200nits max)</b> | 2.49 max / 2.98 max |

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## Technical Specifications

### STORAGE AND DRIVES

For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10 and 11) is reserved for system recovery software.

|  |                       |             |
|--|-----------------------|-------------|
| <b>SSD 128GB 2230 PCIe NVMe QLC (SSD 128GB 2230 PCIe NVMe QLC)</b> | <b>Form Factor</b>    | M.2 2230    |
|  | <b>Capacity</b>       | 128GB       |
|  | <b>NAND Type</b>      | QLC         |
|  | <b>Interface</b>      | PCIe NVMe   |
|  | <b>Logical Blocks</b> | 250,069,680 |
|  | <b>Features</b>       | Pyrite      |

|  |                       |               |
|--|-----------------------|---------------|
| <b>SSD 1TB 2280 PCIe NVMe QLC (1TB 2280 PCIe NVMe QLC 2nd Solid State Drive)</b> | <b>Form Factor</b>    | M.2 2280      |
|  | <b>Capacity</b>       | 1TB           |
|  | <b>NAND Type</b>      | QLC           |
|  | <b>Interface</b>      | PCIe NVMe     |
|  | <b>Logical Blocks</b> | 2,000,409,264 |
|  | <b>Features</b>       | Pyrite        |

|  |                       |             |
|--|-----------------------|-------------|
| <b>SSD 256GB 2280 PCIe NVMe QLC (SSD 256GB 2280 PCIe NVMe QLC)</b> | <b>Form Factor</b>    | M.2 2280    |
|  | <b>Capacity</b>       | 256GB       |
|  | <b>NAND Type</b>      | QLC         |
|  | <b>Interface</b>      | PCIe NVMe   |
|  | <b>Logical Blocks</b> | 500,118,192 |
|  | <b>Features</b>       | Pyrite      |

|                                     |                       |               |
|-------------------------------------|-----------------------|---------------|
| <b>SSD 512GB 2280 PCIe NVMe QLC</b> | <b>Form Factor</b>    | M.2 2280      |
|                                     | <b>Capacity</b>       | 512GB         |
|                                     | <b>NAND Type</b>      | QLC           |
|                                     | <b>Interface</b>      | PCIe NVMe     |
|                                     | <b>Logical Blocks</b> | 1,000,215,216 |
|                                     | <b>Features</b>       | Pyrite        |

|                                      |                                 |                        |
|--------------------------------------|---------------------------------|------------------------|
| <b>SSD 1 TB 2280 PCIe NVMe Value</b> | <b>Form Factor</b>              | M.2 2280               |
|                                      | <b>Capacity</b>                 | 1TB                    |
|                                      | <b>NAND Type</b>                | TLC                    |
|                                      | <b>Interface</b>                | PCIe NVMe Gen4X4       |
|                                      | <b>Maximum Sequential Read</b>  | 3200 MB/s ±20%         |
|                                      | <b>Maximum Sequential Write</b> | 2700 MB/s ±20%         |
|                                      | <b>Logical Blocks</b>           | 2,000,409,264          |
|                                      | <b>Features</b>                 | Pyrite 2.0; TRIM; L1.2 |

1. Available only to HK (Hong Kong), TW (Taiwan) and CN (China).

## Technical Specifications

### NETWORKING/COMMUNICATIONS

|  |  |   |
|--|--|---|
| <b>Realtek RTL8852BE<br/>802.11ax 2x2 Wi-Fi +<br/>Bluetooth® 5.3 Wireless<br/>Card (802.11ax 2x2,<br/>supporting gigabit data<br/>rate) <sup>1</sup></b> | <b>Wireless LAN Standards</b>          | IEEE 802.11a<br>IEEE 802.11b<br>IEEE 802.11g<br>IEEE 802.11n<br>IEEE 802.11ac<br>IEEE 802.11ax<br>IEEE 802.11d<br>IEEE 802.11e<br>IEEE 802.11h<br>IEEE 802.11i<br>IEEE 802.11k<br>IEEE 802.11r<br>IEEE 802.11v  |
|  | <b>Interoperability</b>                | Wi-Fi certified modules   |
|  | <b>Frequency Band</b>                  | <ul style="list-style-type: none"> <li>•802.11b/g/n/ax<br/>2.402 – 2.482 GHz</li> <li>•802.11a/n/ac/ax<br/>4.9 – 4.95 GHz (Japan)<br/>5.15 – 5.25 GHz<br/>5.25 – 5.35 GHz<br/>5.47 – 5.725 GHz<br/>5.825 – 5.850 GHz</li> </ul>   |
|  | <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: max 300Mbps</li> <li>• 802.11ac : max 866.7Mbps</li> <li>• 802.11ax : max 1201Mbps</li> </ul>  |
|  | <b>Modulation</b>                      | Direct Sequence Spread Spectrum<br>BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM  |
|  | <b>Security<sup>2</sup></b>            | <ul style="list-style-type: none"> <li>• IEEE and WiFi certified 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>• WPA3 certification</li> <li>• IEEE 802.11i</li> <li>• WAPI</li> </ul> |
|  | <b>Network Architecture<br/>Models</b> | Ad-hoc (Peer to Peer)<br><br>Infrastructure (Access Point Required)   |
|  | <b>Roaming</b>                         | IEEE 802.11 compliant roaming between access points   |
|  | <b>Output Power<sup>3</sup></b>        | <ul style="list-style-type: none"> <li>• 802.11b : +18.5dBm minimum</li> <li>• 802.11g : +17.5dBm minimum</li> </ul>  |



## Technical Specifications

|   |   |
|---|---|
|   | <ul style="list-style-type: none"> <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>• 802.11ax HE40(2.4GHz) : +10dBm minimum</li> <li>• 802.11ax HE80(5GHz) : +10dBm minimum</li> </ul> |
| <b>Power Consumption</b>                | <ul style="list-style-type: none"> <li>• Transmit mode :2.5 W</li> <li>• Receive mode :2 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<br>802.11 compliant power saving mode   |
| <b>Receiver Sensitivity<sup>4</sup></b> | 802.11b, 1Mbps : -93.5dBm maximum<br>802.11b, 11Mbps : -84dBm maximum<br>802.11a/g, 6Mbps : -86dBm maximum<br>802.11a/g, 54Mbps : -72dBm maximum<br>802.11n, MCS07 : -67dBm maximum<br>802.11n, MCS15 : -64dBm maximum<br>802.11ac, MCS0 : -84dBm maximum<br>802.11ac, MCS9 : -59dBm maximum<br>•802.11ax, MCS11(HE40): -57dBm maximum<br>•802.11ax, MCS11(HE80): -54dBm maximum  |
| <b>Antenna type</b>                     | High efficiency antenna with spatial diversity, mounted in the display enclosure<br><br>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  |
| <b>Dimensions</b>                       | 1. Type 2230 : 2.3 x 22.0 x 30.0 mm<br>2. Type 1216: 1.67 x 12.0 x 16.0 mm  |
| <b>Weight</b>                           | 1. Type 2230 : 2.8g<br>2. 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)<br><b>Non-operating</b> -40° to 176° F (-40° to 80° C)   |
| <b>Humidity</b>                         | <b>Operating</b> 10% to 90% (non-condensing)<br><b>Non-operating</b> 5% to 95% (non-condensing)   |
| <b>Altitude</b>                         | <b>Operating</b> 0 to 10,000 ft (3,048 m)<br><b>Non-operating</b> 0 to 50,000 ft (15,240 m)   |
| <b>LED Activity</b>                     | LED Amber – Radio OFF;<br>LED OFF – Radio ON  |

### HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0/5.1/5.2/5.3 Wireless Card

**Bluetooth Specification** 4.0/4.1/4.2/5.0/5.1 Compliant/5.2 Compliant/5.3 Compliant



### Technical Specifications

|                                     |  |
|-------------------------------------|--|
| <b>Frequency Band</b>               | 2402 to 2480 MHz   |
| <b>Number of Available Channels</b> | Legacy : 0~79 (1 MHz/CH)<br>BLE : 0~39 (2 MHz/CH)  |
| <b>Signaling Data Rate</b>          | Legacy : 3 Mbps data rate; throughput up to 2.17 Mbps<br>BLE : 1 Mbps data rate; throughput up to 0.2 Mbps<br>Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels<br>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.  |

1. Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs.
2. Check latest software/driver release for updates on supported security features.
3. The FCC has declared as of September 1, 2014 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.
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).

|  |                               |  |
|--|-------------------------------|--|
| <b>Realtek RTL8852BE-VS 802.11ax 1x1 Wi-Fi 6+ Bluetooth® 5.3 Wireless Card (802.11ax 1x1) <sup>1</sup></b> | <b>Wireless LAN Standards</b> | IEEE 802.11a<br>IEEE 802.11b<br>IEEE 802.11g<br>IEEE 802.11n<br>IEEE 802.11ac<br>IEEE 802.11ax<br>IEEE 802.11d<br>IEEE 802.11e<br>IEEE 802.11h<br>IEEE 802.11i<br>IEEE 802.11k |
|  | <b>Interoperability</b>       | Wi-Fi certified modules  |
|  | <b>Frequency Band</b>         | •802.11b/g/n/ax<br>2.402 – 2.482 GHz<br>•802.11a/n/ac/ax<br>4.9 – 4.95 GHz (Japan)<br>5.15 – 5.25 GHz<br>5.25 – 5.35 GHz<br>5.47 – 5.725 GHz<br>5.825 – 5.850 GHz              |
|  | <b>Data Rates</b>             | • 802.11b: 1, 2, 5.5, 11 Mbps<br>• 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br>• 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps<br>• 802.11n: max 150Mbps                        |

## Technical Specifications

|   |   |
|---|---|
|   | <ul style="list-style-type: none"> <li>• 802.11ac : max 433Mbps</li> <li>• 802.11ax : max 600Mbps</li> </ul>  |
| <b>Modulation</b>                       | Direct Sequence Spread Spectrum<br>BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM  |
| <b>Security<sup>2</sup></b>             | <ul style="list-style-type: none"> <li>• IEEE and WiFi certified 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>• WPA3 certification</li> <li>• IEEE 802.11i</li> <li>• WAPI</li> <li>• EAP</li> </ul>  |
| <b>Network Architecture Models</b>      | Ad-hoc (Peer to Peer)<br><br>Infrastructure (Access Point Required)   |
| <b>Roaming</b>                          | IEEE 802.11 compliant roaming between access points   |
| <b>Output Power<sup>3</sup></b>         | <ul style="list-style-type: none"> <li>• 802.11b : +17dBm minimum</li> <li>• 802.11g : +16dBm minimum</li> <li>• 802.11a : +17dBm minimum</li> <li>• 802.11n HT20(2.4GHz) : +14dBm minimum</li> <li>• 802.11n HT40(2.4GHz) : +13dBm minimum</li> <li>• 802.11n HT20(5GHz) : +14dBm minimum</li> <li>• 802.11n HT40(5GHz) : +13dBm minimum</li> <li>• 802.11ac VHT80(5GHz) : +10dBm minimum</li> <li>• 802.11ax HE40(2.4GHz) : +12dBm minimum</li> <li>• 802.11ax HE80(5GHz) : +10dBm minimum</li> </ul> |
| <b>Power Consumption</b>                | <ul style="list-style-type: none"> <li>• Transmit mode :2.5 W</li> <li>• Receive mode :2 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<br>802.11 compliant power saving mode   |
| <b>Receiver Sensitivity<sup>4</sup></b> | <ul style="list-style-type: none"> <li>802.11b, 1Mbps : -93.5dBm maximum</li> <li>802.11b, 11Mbps : -84dBm maximum</li> <li>802.11a/g, 6Mbps : -86dBm maximum</li> <li>802.11a/g, 54Mbps : -72dBm maximum</li> <li>802.11n, MCS07 : -67dBm maximum</li> <li>802.11n, MCS15 : -64dBm maximum</li> <li>802.11ac, MCS0 : -84dBm maximum</li> <li>802.11ac, MCS9 : -59dBm maximum</li> <li>•802.11ax, MCS11(HE40): -57dBm maximum</li> <li>•802.11ax, MCS11(HE80): -54dBm maximum</li> </ul>                |
| <b>Antenna type</b>                     | High efficiency antenna with spatial diversity, mounted in the display enclosure  |

## Technical Specifications

|                          |   |
|--------------------------|---|
|                          | 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  |
| <b>Dimensions</b>        | 1. Type 2230 : 2.3 x 22.0 x 30.0 mm<br>2. Type 1216: 1.67 x 12.0 x 16.0 mm  |
| <b>Weight</b>            | 1. Type 2230 : 2.8g<br>2. 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)<br><b>Non-operating</b> –40° to 176° F (–40° to 80° C)                               |
| <b>Humidity</b>          | <b>Operating</b> 10% to 90% (non-condensing)<br><b>Non-operating</b> 5% to 95% (non-condensing)                                     |
| <b>Altitude</b>          | <b>Operating</b> 0 to 10,000 ft (3,048 m)<br><b>Non-operating</b> 0 to 50,000 ft (15,240 m)   |
| <b>LED Activity</b>      | LED Amber – Radio OFF;<br>LED OFF – Radio ON  |

**HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0/5.1/5.2/5.3 Wireless Card**

|                                     |  |
|-------------------------------------|--|
| <b>Bluetooth Specification</b>      | 4.0/4.1/4.2/5.0/5.1 Compliant/5.2 Compliant/5.3 Compliant  |
| <b>Frequency Band</b>               | 2402 to 2480 MHz   |
| <b>Number of Available Channels</b> | Legacy : 0~79 (1 MHz/CH)<br>BLE : 0~39 (2 MHz/CH)  |
| <b>Data Rates and Throughput</b>    | Legacy : 3 Mbps data rate; throughput up to 2.17 Mbps<br>BLE : 1 Mbps data rate; throughput up to 0.2 Mbps<br>Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels<br>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.  |

1. Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs.
2. Check latest software/driver release for updates on supported security features.
3. The FCC has declared as of September 1, 2014 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.
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).

### Technical Specifications

#### POWER

1. Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors

|                                      |  |   |   |
|--------------------------------------|--|---|---|
| <b>HP 45W Smart AC adapter</b>       | <b>Dimensions (H x W x D)</b>  | 3.74 x 1.772 x 1.043 in (9.5x4.5x2.65cm)                                      |   |
|                                      | <b>Weight</b>  | 0.44 lb (200 g) max (Not including power cord. Power cord varies by country.) |   |
|                                      | <b>Input</b>   | 100-240Vac  |   |
|                                      |  | <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>   | 100% load 5ms at 115 Vac input/80% load 10ms 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>  | 32°F to 95°F (0°to 35°C)                                      |
|                                      |  | <b>Non-operating (storage) temperature</b>                                    | -4°F to 185°F (-20°to 85°C)                                   |
|                                      |  | <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<br>Worldwide safety standards - IEC60950-1 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL62368-1<br>Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC |   |   |

|                       |                               |  |   |
|-----------------------|-------------------------------|--|---|
| <b>65W EM Adapter</b> | <b>Dimensions (H x W x D)</b> | 4.016 x 2.165 x 1.181 in (10.2x5.5x3cm)  |   |
|                       | <b>Weight</b>                 | 0.58 lb (265 g) max<br>(Not including power cord. Power cord varies by country.) |   |
|                       | <b>Input</b>                  | 100-240Vac   |   |
|                       |                               | <b>Input Efficiency</b>  | 88 % at 115 Vac and 89 % at 230Vac                            |
|                       |                               | <b>Input frequency range</b>   | 47-63 Hz  |
|                       |                               | <b>Input AC current</b>  | Max. 1.7 A at 90 Vac  |
|                       | <b>Output</b>                 | <b>Output power</b>  | 65W   |
|                       |                               | <b>DC output</b>   | 19.5V   |
|                       |                               | <b>Hold-up time</b>  | 100% load 5ms at 115 Vac input/80% load 10ms at 115 Vac input |
|                       |                               | <b>Output current limit</b>  | < 11.0A   |

### Technical Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Connector</b>                     | 4.5mm Barrel Type  |
| <b>Environmental Design</b>          | <b>Operating temperature</b> 32°F to 95°F (0° to 35°C)   |
|                                      | <b>Non-operating (storage) temperature</b> -4°F to 185°F (-20° to 85°C)  |
|                                      | <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<br>Worldwide safety standards - IEC60950-1 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL62368-1<br>Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia GEMS and RCM, BIS, BSMI, UAE, UKCA DoC |

|   |  |   |
|---|--|---|
| <b>HP 3-cell Long Life Li-Ion (41 Wh)<sup>1</sup></b> | <b>Weight</b>                            | 0.185 kg (0.407 lb)                     |
|   | <b>Cells/Type</b>                        | 3cell Lithium-Ion Polymer cell / 515974 |
| <b>Energy</b>   | <b>Voltage</b>                           | 11.25V                                  |
|   | <b>Amp-hour capacity</b>                 | 3.648Ah                                 |
|   | <b>Watt-hour capacity<sup>1</sup></b>    | 41.04Wh                                 |
| <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)           |
|   | <b>Optional Travel Battery Available</b> | No                                      |

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## Technical Specifications

### AUDIO

|                                   |  |
|-----------------------------------|--|
| <b>HD Stereo Codec</b>            | Realtek ALC3247  |
| <b>Audio I/O Ports</b>            | One Headset Combo-Jack connector support CTIA spec.  |
| <b>Internal Speaker Amplifier</b> | 2W class D amplifier from ALC3247 for internal speaker only. External speaker must be powered.   |
| <b>Multi-streaming Capable</b>    | Playback multi-streaming can be enabled in the audio control panel to allow independent audio streams to be sent to/from the Combo jack or integrated speaker. |
| <b>Sampling</b>                   | Independent sampling rates for DAC's and ADC's; supports resolutions from 16 to 24-bit; 44.1 kHz to 48 kHz for DAC and ADC.                                    |
| <b>Wavetable Syntheses</b>        | Yes - Uses OS soft wavetable   |
| <b>Analog Audio</b>               | Yes  |
| <b># of Channels on Line-Out</b>  | 0  |
| <b>Internal Speaker</b>           | Yes  |

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### FINGERPRINT READER

|                                    |                             |
|------------------------------------|-----------------------------|
| <b>Sensor vendor</b>               | ELAN EFSA80SW               |
| <b>Sensor type</b>                 | Capacitive                  |
| <b>DPI resolution</b>              | 508 DPI                     |
| <b>Scan area</b>                   | 80 x 80 pixels              |
| <b>False Rejection Rate</b>        | FRR= $\leq$ 3%              |
| <b>False Acceptance Rate</b>       | < 1:100K                    |
| <b>Mobile Voltage Operation</b>    | 3.0V to 3.6V                |
| <b>Operating Temperature</b>       | -4°F ~ 176°F (-20°C ~ 80°C) |
| <b>Current Consumption</b>         | 50mA Peak                   |
| <b>Image</b>                       |                             |
| <b>Low Latency Wait For Finger</b> | 300uA                       |
| <b>Capture Rate</b>                | 50 frame/ sec               |
| <b>ESD Resistance</b>              | IEC 61000-4-2 4B (+15KV)    |
| <b>Detection Matrix</b>            | 508 DPI / 4 mm x 4mm        |

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### COUNTRY OF ORIGIN

China

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### Options and Accessories (Sold separately and availability may vary by country)

| Type   | Description  | Part Number |
|--|--|-------------|
| <b>Audio</b>                                 | HP Wired USB-A Stereo Headset                                      | 428K6AA     |
|  | HP Wired 3.5mm Stereo Headset                                      | 428K7AA     |
| <b>Cases</b>                                 | HP 115 15.6 Laptop Backpack  | 8DV45AA#ACJ |
|  | HP 215 15.6 Laptop Backpack  | 35L98AA#ACJ |
|  | HP 225 15.6 Laptop Backpack  | 2P7U6AA#ACJ |
|  | HP 235 15.6 Laptop Backpack  | 35M00AA#ACJ |
|  | HP 315 15.6 Laptop Backpack  | 35L97AA#ACJ |
|  | HP Prelude G2 15.6 Backpack  | 1E7D6AA     |
|  | HP Prelude G2 15.6 Top Load  | 1E7D7AA     |
|  | HP Prelude Pro Recycled 15.6 Backpack                              | 1X644AA     |
|  | HP Prelude Pro Recycled 15.6 Top Load                              | 1X645AA     |
|  | HP Renew Business 15.6 Laptop Bag                                  | 3E5F8AA     |
|  | HP Renew Business 17.3 Laptop Backpack                             | 3E2U5AA     |
|  | HP Renew Business 17.3 Laptop Bag                                  | 3E2U6AA     |
|  | HP Renew Executive 16 Laptop Backpack                              | 6B8Y1AA     |
|  | HP Renew Executive 16 Laptop Bag                                   | 6B8Y2AA     |
|  | HP Travel 18L 15.6 Iron Gray Laptop Backpack                       | 6H2D9AA     |
| HP Travel 25L 15.6 Iron Gray Laptop Backpack | 6H2D8AA  |             |
| <b>Adapter</b>                               | HP USB-C to RJ45 Adapter G2  | 4Z527AA     |
|  | HP USB 3.0 to Gigabit RJ45 Adapter G2                              | 4Z7Z7AA     |
|  | HP HDMI to VGA Adapter   | H4F02AA     |
| <b>Keyboard/Combo</b>                        | HP 125 WD USB Keyboard   | 266C9AA     |
|  | HP 320K WD USB Keyboard  | 9SR37AA     |
|  | HP 155 Wired Mouse and Keyboard Combo                              | 5B8C0AA#ACJ |
|  | HP 225 Antimicrobial Wired Mouse and Keyboard Combo                | 286K3AA#AB2 |
|  | HP 225 Wired Mouse and Keyboard Combo                              | 286J4AA     |
|  | HP 235 Wireless Mouse and Keyboard Combo                           | 1Y4D0AA     |
|  | HP Wired Desktop 320MK Mouse and Keyboard                          | 9SR36AA     |
| <b>Mouse</b>                                 | HP 125 USB-A Wired Mouse   | 265A9AA     |
|  | HP 128 USB Laser Wired Mouse                                       | 265D9AA     |
|  | HP 155 USB-A Wired Mouse   | 5B8B7AA#ACJ |
|  | HP 320M USB-A Wired Mouse  | 9VA80AA     |
|  | HP USB-A+Bluetooth Travel Bluetooth Mouse                          | 6SP30AA     |
|  | HP USB Premium Wireless Mouse                                      | 1JR31AA     |
|  | HP 435 Bluetooth 5.0 + Wireless 2.4GHz Multi-Device Wireless Mouse | 3B4Q5AA     |



### Options and Accessories (Sold separately and availability may vary by country)

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|                  |                           |         |
|------------------|---------------------------|---------|
| <b>Commodity</b> | HP USB DVD-Writer EXT ODD | F2B56AA |
| <b>Video</b>     | HP 325 FHD USB-A Webcam   | 53X27AA |

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### Change Log

| <b>Date of change:</b> | <b>Version History:</b> |         | <b>Description of change:</b> |
|------------------------|-------------------------|---------|-------------------------------|
| March 21, 2023         | V1 to V2                | Updated | Call out in Overview section  |
| March 30, 2023         | V2 to V3                | Updated | Ports and Slots section       |
| April 19, 2023         | V3 to V4                | Updated | At a Glance section           |
| May 18, 2023           | V4 to V5                | Updated | Storage and Drives section    |
|                        | V5 to V6                |         |                               |
|                        |                         |         |                               |
|                        |                         |         |                               |

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