Overview

HP Elite Dragonfly G2 Notebook PC



- 1. Internal Microphones
- 2. IR Camera LEDs
- 3. Webcam and IR Camera
- 4. Privacy Camera Shutter
- 5. Webcam LED

Left

- 6. Glass Clickpad
- 7. WWAN SIM (Nano) 1
- 8. Nano Security Lock Slot (Lock sold separately)
- 9. Power Button
- 10. SuperSpeed USB Type-A 5Gbps signaling rate (Charging port) (USB 3.2 Gen 1)
- 1. All units have a SIM card slot but units that do not support WWAN are shipped with a non-removable SIM slot plug.

Overview



Right

- HDMI 2.0 port (Cable not included)
- 2. Audio Combo Jack
- 3. Thunderbolt™ 4 with USB4 Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)¹
- 4. Thunderbolt[™] 4 with USB4 Type-C[®] 40Gbps signaling rate (USB Power Delivery, DisplayPort[™] 1.4)¹
- 5. Touch Fingerprint Sensor

1. SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4.

Overview

AT A GLANCE

- Windows 11 Pro. other Windows OS. or FreeDOS preinstalled
- Precision Machined CNC Mg Unibody with Narrow borders, a chassis that is .63 inches (1.61 cm) thin and with a starting weight of 2.18 lbs. (<1 Kg)
- A 360° convertible notebook with 4 usage modes: Laptop mode, Tablet mode, Tent mode, and Media mode
- Integrated HP Privacy Camera, with HP Sure Shutter to protect from malicious surveillance
- Choice of 11th Generation Intel[®] Core[™] i7, i5 and i3 processors
- Intel® EVO configurations available
- Intel® Core™ i5 and i7 feature integrated Intel® Iris® Xe Graphics
- Touch display choices include 33.78 cm (13.3") diagonal IPS FHD displays or stunning UHD HDR-400 display. Brightness
 choices up to 1000 Nits. Get added protection in open or public places with the optional HP Sure View Reflect integrated
 privacy screen
- Ultimate connectivity with dual Thunderbolt4 Type-C® with USB4 support ports, dual USB 3.1 Gen1 charging ports, and HDMI 2.0
- Stay connected where you need to with a choice of 5G or 4G/LTE WWAN, WLAN and optional Thunderbolt™ Docking (Sold separately)
- Never forget your password with your choice of simple authentication methods, including the IR camera for face recognition and Touch Fingerprint Sensor for Windows Hello
- LPDDR4X Memory up to 32 GB supports dual channel performance
- Up to 16 hours 30 minutes of battery life (56 Wh battery) and up to 11 hours of battery life (38 Wh battery)
- Passed 19 MIL-STD 810H tests ¹
- Instant on/instant off with Modern Connected Standby
- Al based HP Context Aware to maximize performance when working at a table, comfort when working from your lap, and responsiveness when working on the go
- HP Dynamic Audio, a new AI-based audio experience, tunes output to speech, music, and movies all while suppressing background noise (Planned to be available March 2021.)
- HP Sound Calibration to uniquely tune end user headphone audio (Planned to be available March 2021.)

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.



Technical Specifications

PRODUCT NAME

HP Elite Dragonfly G2 Notebook PC

OPERATING SYSTEM

Preinstalled Windows 11 Pro ²

Windows 11 Pro Education ²

Windows 11 Home – HP recommends Windows 11 Pro for business 2

Windows 11 Home Single Language – HP recommends Windows 11 Pro for business ²

Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing

Agreement) 1

Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade) 1,2

FreeDOS

- 1. Device comes with Windows 10 and a free Windows 11 upgrade or may be preloaded with Windows 11. Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see Windows 11 Specifications).
- 2. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

NOTE: HP tested Windows 10, version 1909 on this platform. For testing information on newer versions of Windows 10, please see https://support.hp.com/document/c05195282.

PROCESSORS

Intel® Core™ i7-1185G7 (3.0 GHz base frequency, up to 4.8 GHz frequency with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores), supports Intel® vPro® Technology ^{3,45,6}

Intel® Core™ i7-1165G7 (2.8 GHz base frequency, up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores) ^{3,45,6}

Intel® Core™ i5-1145G7 (2.6 GHz base frequency, up to 4.4 GHz frequency with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores), supports Intel® vPro® Technology ^{3,45,6}

Intel® Core™ i5-1135G7 (2.4 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores) 3,45,6

Intel® Core™ i3-1115G4 with Intel® UHD Graphics (2.0 GHz base frequency, up to 4.1 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 2 cores) ^{3,45,6}

Processor Family

11th Generation Intel® Core™ i7 processor (i7- 1185G7, i7- 1165G7) ⁶

11th Generation Intel® Core™ i5 processor (i5-1145G7, i5-1135G7) 6

11th Generation Intel® Core™ i3 processor (i3-1115G4) 6

- 3. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
- 4. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- 5. Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.



Technical Specifications

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

GRAPHICS

Integrated

Intel® Iris® Xe Graphics7 Intel® UHD Graphics

Supports

Support HD Decode, DX12, HDMI 2.08

7. Intel® Iris® Xe Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® Xe Graphics with Intel® Core™ i5 or 7 processors and single channel memory will only function as UHD graphics.

8. HDMI cable sold separately.

DISPLAY

Touch

33.8 cm (13.3") diagonal FHD bent, BrightView WLED UWVA eDP 1.4+PSR2, 400 nits, 72 NTSC, Touch, Low Power (1920x1080)^{9,10,11}

33.8 cm (13.3") diagonal UHD bent, HDR-400, BrightView WLED UWVA eDP 1.4+PSR2, 550 nits, 95%sRGB, Touch, (3840x2160)9,10,11

33.8 cm (13.3") diagonal FHD bent, BrightView WLED UMA eDP 1.4+PSR, 1000 nits, 72% NTSC, Touch with HP Sure View Reflect integrated privacy screen (1920 x 1080) 9,10,11,12

9. FHD/HD content required to view FHD/HD images.

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

11. Actual brightness will be lower with touchscreen or Sure View.

12. HP Sure View integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.



Technical Specifications

STORAGE AND DRIVES

Primary M.2 Storage

```
2 TB PCIe® Gen3x4 NVMe™ M.2 SSD TLC ¹³

1 TB PCIe® Gen3x4 NVMe™ M.2 SSD TLC ¹³

512 GB PCIe® Gen3x4 NVMe™ M.2 SSD TLC ¹³

256 GB PCIe® Gen3x4 NVMe™ M.2 SSD TLC ¹³

128 GB PCIe® Gen3x4 NVMe™ M.2 SSD TLC ¹³

512 GB PCIe® NVMe™ Value M.2 SSD TLC ¹³

512 GB PCIe® NVMe™ Value M.2 SSD ¹³

256 GB PCIe® NVMe™ Value M.2 SSD ¹³

512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC ¹³

512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC ¹³

512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC ¹³

512 GB Intel® PCIe® NVMe™ M.2 SED SSD TLC ¹³
```

13. 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.

14. Intel® Optane™ H10 memory system acceleration does not replace or increase the DRAM in your system. Requires 8th Gen or higher Intel® Core™ processor, BIOS version with Intel® Optane™ supported, Windows 10 64-bit, and an Intel® Rapid Storage Technology (Intel® RST) driver.

MEMORY

Maximum Memory

32 GB LPDDR4X-4266 SDRAM 15

Memory

32 GB LPDDR4X-4266 SDRAM ¹⁵ 16 GB LPDDR4X-4266 SDRAM ¹⁵ 8 GB LPDDR4X-4266 SDRAM ¹⁵

Memory Slots

LPDDR4X, system runs at 4266 Supports Dual Channel Memory

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



Technical Specifications

NETWORKING/COMMUNICATIONS

WLAN

Intel® Dual Band Wi-Fi® 6 AX201 802.11a/b/g/n/ac/ax (2x2) WLAN and Bluetooth® 5.2, vPro® Wireless Card ¹⁶ Intel® Dual Band Wi-Fi® 6 AX201 802.11a/b/g/n/ac/ax (2x2) WLAN and Bluetooth® 5.2, non-vPro® Wireless Card ¹⁶

WWAN

Intel® XMM™ 7360 LTE-Advanced Cat 9 ¹⁸ Qualcomm® Snapdragon™ X55 5G LTE Cat 20 ¹⁹

Miracast

Native Miracast Support 20

16. 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.

18. WWAN module is an optional feature, requires factory configuration and requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. LTE not available on all products, in all regions.

19. Qualcomm® 5G module is optional and must be configured at the factory. Module designed for 5G networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4, requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 5G LTE not available on all products, in all regions. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G LTE module is available where carrier supported. US Configurations: Verizon mobile broadband service is not supported with this module.

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

AUDIO/MULTIMEDIA

Audio

Audio by Bang & Olufsen Microphone/Headphone Combo Audio Jack

Camera

720p HD+IR camera with integrated electronic privacy shutter, HP Sure Shutter ²¹ **NOTE:** The on/off button for this shutter is located on the function row of the keyboard.

Sensors

Accelerometer Magnetometer Gyroscope Ambient light sensor Hall sensor

21. HD content required to view HD images.



Technical Specifications

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

HP Modernized Keyboard, spill resistant, Backlit Backlit, Spill-resistant, with HP Dura Keys

Pointing Device

Glass Clickpad

Microsoft Precision Touchpad Default Gestures Support

Function Keys

F1 - Display Switching

F2 - Blank or Privacy

F3 - Brightness Down

F4 - Brightness Up

F5 - Audio Mute

F6 - Volume Down

F7 - Volume Up

F8 - Mic Mute

F9 - Backlit Toggle

F10 - Insert

F11 - Airplane Mode

F12 - HP Command Center (Programmable Key)

Num Lock

HP Sure Shutter

Print Screen

Delete

SOFTWARE AND SECURITY

Preinstalled Software

BIOS

HP BIOSphere Gen6 23

HP Drive Lock & Automatic Drive Lock

BIOS Update via Network

HP Secure Erase 24

Absolute Persistence Module 25

HP LAN-Wireless Protection

USB enable/disable (via BIOS)

Software

HP Connection Optimizer 26

HP Hotkey Support

myHP

HP Support Assistant 27

HP QuickDrop¹⁷

HP Noise Cancellation Software

Touchpoint Customizer for Commercial

HP Notifications

HP Privacy Settings

HP Wireless Button Driver

HP Power Manager

HP PC Hardware Diagnostics Windows



Technical Specifications

Buy Microsoft Office (sold separately) Microsoft Defender ²⁹ HP Smart Support ⁵²

Manageability Features

HP Driver Packs (download) 30

HP Manageability Integration Kit Gen4 (download) 31

HP Client Catalog (download)

HP Client Management Script Library (download)

HP Image Assistant (download)

Security Management

HP Fingerprint Sensor

HP Wolf Pro Security Edition³²

HP Sure Click 33

HP Sure Sense 34

HP Sure Start Gen6 35

HP Sure Admin 36

HP Sure Recover Gen4 37

HP Sure Run Gen4 38

HP Client Security Manager Gen7 39

Secured-core PC capable 50

TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified)

- 17. HP Quick Drop requires Internet access and Windows 10 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.
- 23. HP BIOSphere Gen6 is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.
- 24. HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
- 25. Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit:

https://www.absolute.com/about/legal/agreements/absolute/

- 26. HP Connection Optimizer requires Windows 10.
- 27. HP Support Assistant requires Windows and Internet access.
- 29. Microsoft Defender Opt in and internet connection required for updates.
- 30. HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement.
- 31. HP Manageability Integration Kit can be downloaded from

http://www8.hp.com/us/en/ads/clientmanagement/overview.html.

- 32. HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software End-User license Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/ish_3875769-3873014-16 as that EULA is modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month license term ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support
- 33. HP Sure Click requires Windows 10 Pro or Enterprise. See https://bit.ly/2PrLT6A SureClick for complete details.
- 34. HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.
- 35. HP Sure Start Gen6 is available on select HP PCs and requires Windows 10.



Technical Specifications

36. HP Sure Admin requires Windows 10, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

37. HP Sure Recover Gen4 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data.

38. HP Sure Run Gen4 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.

39. HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.

50. Requires an Intel® vPro®, AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC functionality can be enabled from the factory.

52. HP Smart Support is available to commercial customers through your HP Service Representative and HP Factory Configuration Services; or it can be downloaded at: http://www.hp.com/smart-support. HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights.



Technical Specifications

POWER

Power Supply

HP Smart 65 W USB Type-C adapter ⁴⁰ HP Smart 65 W Slim USB Type-C adapter ⁴⁰ HP Smart 65 W Slim USB Type-C adapter ⁴⁰

Primary Battery

HP Long Life 2-cell, 38Wh polymer ^{41,42} HP Long Life 4-cell, 56Wh polymer ^{41,42} HP Fast Charge Technology (50% in 30 minutes) ⁴³

Battery Life44

Up to 16 hours 30 minutes (56 Wh battery)
Up to 11 hours (38 Wh battery)

Battery Weight

0.57 lb /0.259 kg

- 40. Availability may vary by country.
- 41. Battery is internal and not replaceable by customer. Serviceable by warranty.
- 42. 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.
- 43.Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.
- 44. Windows 10 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 for additional details.

WEIGHTS & DIMENSIONS

Product Weight 45

Starting at 2.18 lb Starting at 0.98 kg

Product Dimensions (w x d x h)

11.98 x 7.78 x 0.63 in 30.43 x 19.75 x 1.61 cm

45. Weight will vary by configuration.



PORTS/SLOTS

Ports

2 Thunderbolt[™] 4 with USB4 Type-C[®] 40Gbps signaling rate (USB Power Delivery, DisplayPort[™] 1.4)⁵¹

- 1 SuperSpeed USB Type-A 5Gbps signaling rate includes charging port (USB 3.2 Gen 1)
- 1 Headphone/microphone combo jack
- 1 HDMI 2.046
- 46. HDMI cable sold separately.
- 51. SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4

SERVICE AND SUPPORT

1-year or 3-year limited warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty except for HP Long Life batteries which will follow the one or three year warranty of 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. 47

47. 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.

CERTIFICATION AND COMPLIANCE

ENERGY STAR® certified⁴⁸ EPEAT® 2019 Gold in the U.S ⁴⁹ TCO 8.0 Certified

48. 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.

49. Configurations of the HP EliteBook x360 1040 G8 Notebook PC that are ENERGY STAR® qualified are identified as HP EliteBook x360 1040 G8 Notebook PC ENERGY STAR on HP websites and on http://www.energystar.gov.



Technical Specifications

SYSTEM UNIT

Stand-Alone Power Nominal Operating 20V, 3.25A **Requirements** (AC Power) Voltage **Integrated Graphics** Intel UMA **Max Operating Power UMA** Shock **Non-operating** Comply SVTP Operating Comply SVTP **Random Vibration Non-operating** Comply SVTP Comply SVTP **Operating** Altitude (unpressurized) **Non-operating** Comply SVTP



DISPLAYS

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

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

Panel LCD 13.3 inch FHD (1920x1080) BrightView WLED UWVA 72percent cg 400nits eDP 1.4+PSR2 bent LP NWBZ Outline Dimensions (W x H x D) 299.06 x 176.54 mm (max) (FPC folding included)

Active Area 293.76 x 165.24 mm (typ.)

Weight 175 g (max)
Diagonal Size 13.3 inch

Thickness 2.0mm / 3.8mm (PCB) (max)

InterfaceeDP 1.4Surface TreatmentBrightView

Touch Enabled Yes

Contrast Ratio1500:1 (typ.)Refresh Rate60 HzBrightness400nits1

Pixel Resolution 1920 x 1080 (FHD)

Format RGB Stripe

Backlight LED

Color Gamut Coverage 72% NTSC (sRGB 100%) (typ.)

Color Depth 8 bit

Viewing Angle UWVA 85/85/85

Panel LCD 13.3 inch UHD (3840x2160) BrightView WLED UWVA HDR-400 sRGB 95percent cg 550nits eDP 1.4+PSR2 bent NWBZ Outline Dimensions (W x H x D) 299.06 x 176.54 mm (max) (FPC folding included)

Active Area 293.76 x 165.24 mm (typ.)

Weight 200 g (max)
Diagonal Size 13.3 inch

Thickness 2.0mm / 3.8mm (PCB) (max)

Interface eDP 1.4
Surface Treatment BrightView

Touch Enabled Yes

1400:1 (typ.)

Contrast Ratio 1000:1 (HDR off) (min)

Refresh Rate 60 Hz **Brightness** 550nits¹

Pixel Resolution 3840 x 2160 (UHD)

Format RGB Stripe
Backlight LED

Color Gamut CoveragesRGB 95% (min)Color Depth8 bits + 2 FRCViewing AngleUWVA 85/85/85/85

Outline Dimensions (W x H) 299.06 x 176.54 mm (max)

Technical Specifications

Panel LCD 13.3-in FHD (1920 x 1080) BrightView WLED UWVA 72% cg 1000nits eDP 1.4+PSR PrivacyG4 **Active Area** 293.76 x 165.24 mm (typ.)

Weight 220 g (max)

Diagonal Size 13.3 inch

Thickness 3.9 mm (max)

Interface eDP 1.4 + PSR (4 lane)

Surface Treatment BrightView

Touch Enabled Yes

Contrast Ratio 1500:1 (typ.)

Refresh Rate 60 Hz

Brightness 1000 nits¹

Pixel Resolution 1920 x 1080 (FHD)

Format of LCD Pixel Arrangement RGB

Backlight LED

Color Gamut Coverage 72%

Color Depth 8 bit

Viewing Angle UWVA 85/85/85



Technical Specifications

STORAGE

NOTE: 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.

SSD 128GB 2280 PCIe-3x2 Three Layer Cell Form Factor M.2 2280
Capacity 128 GB
NAND Type TLC

Height 0.09 in (2.3 mm)
Width 0.87 in (22 mm)
Weight 0.02 lb (10 g)
Interface PCIe NVMe Gen3X2
Maximum Sequential Read Up To 2047 MB/s
Maximum Sequential Write Up To 1200 MB/s
Logical Blocks 250,069,680

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features TRIM; L1.2

SSD 1TB 2280 PCIe-3x4 NVMe Three Layer Cell single-sided Form Factor M.2 2280
Capacity 1 TB
NAND Type TLC

Height 0.09 in (2.3 mm)
Width 0.87 in (22 mm)
Weight 0.02 lb (10 g)
Interface PCIe NVMe Gen3X4
Maximum Sequential Read Up To 3500 MB/s
Maximum Sequential Write Up To 3037 MB/s
Logical Blocks 2,000,409,264

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]
Features ATA Security (Option); TRIM; L1.2



Technical Specifications

SSD 256GB 2280 M2 PCIe-3x4 SS NVMe TLC Form Factor M.2 2280
Capacity 256 GB
NAND Type TLC

Height0.09 in (2.3 mm)Width0.87 in (22 mm)Weight0.02 lb (10 g)InterfacePCIe NVMe Gen3X4Maximum Sequential Read $1800 \text{ MB/s} \sim 3167 \text{ MB/s}$ Maximum Sequential Write $600 \text{ MB/s} \sim 1663 \text{ MB/s}$

Logical Blocks 500,118,192

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features ATA Security (Option); TRIM; L1.2

SSD 256GB 2280 PCIe-3x4 NVMe Self Encrypted OPAL2 Three Layer Cell Form FactorM.2 2280Capacity256 GBNAND TypeTLC

Height 0.09 in (2.3 mm)
Width 0.87 in (22 mm)
Weight 0.02 lb (10 g)
Interface PCIe NVMe Gen3X4
Maximum Sequential Read Up To 3500 MB/s
Maximum Sequential Write Up To 2200 MB/s
Logical Blocks 500,118,192

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp] **Features** ATA Security; TCG OPAL 2.0; DIPM; TRIM; L1.2

SSD 2TB 2280 PCIe-3x4 NVMe Three Layer Cell single-sided Form Factor M.2 2280
Capacity 2 TB
NAND Type TLC

Height 0.09 in (2.3 mm)
Width 0.87 in (22 mm)
Weight 0.02 lb (10 g)
Interface PCIe NVMe Gen3X4
Maximum Sequential Read Up To 3500 MB/s
Maximum Sequential Write Up To 3000 MB/s

Logical Blocks 3,907,029,168

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features ATA Security; TCG OPAL 2.0;DIPM; TRIM; DEVSLP



Technical Specifications

SSD 512GB 2280 M2 PCIe-3x4 SS NVMe TLC Form Factor M.2 2280
Capacity 512 GB
NAND Type TLC

 $\begin{array}{lll} \mbox{Height} & 0.09 \mbox{ in (2.3 mm)} \\ \mbox{Width} & 0.87 \mbox{ in (22 mm)} \\ \mbox{Weight} & 0.02 \mbox{ lb (10 g)} \\ \mbox{Interface} & PCIe \mbox{ NVMe Gen3X4} \\ \mbox{Maximum Sequential Read} & 1500 \mbox{ MB/s} \sim 3500 \mbox{ MB/s} \\ \end{array}$

Maximum Sequential Write 300 MB/s ~ 2956 MB/s

Logical Blocks 1,000,215,215

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp] **Features** ATA Security (Option); TRIM; L1.2

SSD 512GB 2280 PCIe-3x4 NVMe Self Encrypted OPAL2 Three

Layer Cell

Form Factor M.2 2280
Capacity 512 GB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

 Interface
 PCIe NVMe Gen3X4

Maximum Sequential Read $2800 \text{ MB/s} \sim 2900 \text{ MB/s}$ Maximum Sequential Write $1000 \text{ MB/s} \sim 1800 \text{ MB/s}$

Logical Blocks 1,000,215,215

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features ATA Security (Option); TCG Opal 2.0; TRIM; L1.2

SSD 512GB 2280 PCIe NVMe Value Form Factor M.2 2280
Capacity 512GB
NAND Type QLC/TLC

Height 0.09 in (2.3 mm)
Width 0.87 in (22 mm)
Weight 0.02 lb (10 g)
Interface PCIe NVMe
Maximum Sequential Read Up To 2900 MB/s
Maximum Sequential Write Up To 1450 MB/s

Maximum Sequential Write Up To 1450 MB/s
Logical Blocks 1,000,215,215

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features ATA Security; TRIM; L1.2

Technical Specifications

SSD 256GB 2280 PCIe NVMe Value

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
 0.02 lb (10 g)

 Interface
 PCIe NVMe

Maximum Sequential ReadUp To 1700 MB/sMaximum Sequential WriteUp to 1300 MB/sLogical Blocks500,118,192

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features ATA Security, TRIM; L1.2

512GB 2280 PCle-3x2x2 NVMe+SSD 32GB 3D Xpoint Form Factor M.2 2280 Capacity 512 GB

 NAND Type
 QLC+3D Xpoint

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Weight
 0.02 lb (10 g)

InterfacePCIe NVMe Gen3X2X2Maximum Sequential ReadUp To 2400 MB/sMaximum Sequential WriteUp To 1300 MB/sLogical Blocks1,000,215,215

Operating Temperature 32° to 158°F (0° to 70°C) [ambient temp]

Features ATA Security, TRIM; L1.2



Technical Specifications

NETWORKING/COMMUNICATIONS

Intel® Wi-Fi 61 AX201 and Wireless LAN Standards Bluetooth® 5.2 (802.11ax 2x2, vPro, supporting gigabit file transfer speeds)5 vPro®

IEEE 802.11b IEEE 802.11q IEEE 802.11n IEEE 802.11ac IEEE 802.11ax IEEE 802.11d IEEE 802.11e IEEE 802.11h IEEE 802.11i IEEE 802.11k IEEE 802.11r

IEEE 802.11v

IEEE 802.11a

Interoperability Features Wi-Fi 6 technology

Frequency Band 802.11b/g/n/ax

> •2.402 - 2.482 GHz 802.11a/n/ac/ax •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

> • 802.11q: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

• 802.11n: max 300Mbps 802.11ac: 1733Mbps • 802.11ax: max 2.4Gbps

Modulation **Direct Sequence Spread Spectrum**

OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM

, 1024QAM

Security³ •IEEE 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 WPA3 certification •IEEE 802.11i •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: +17dBm minimum

> • 802.11g: +16dBm minimum 802.11a: +17dBm minimum



Technical Specifications

802.11n HT20(2.4GHz): +14dBm minimum
802.11n HT40(2.4GHz): +13dBm minimum
802.11n HT20(5GHz): +14dBm minimum
802.11n HT40(5GHz): +13dBm minimum

802.11ac VHT80(5GHz): +10dBm minimum
 802.11ac VHT160(5GHz): +10dBm minimum
 802.11ax HE40(2.4GHz): +12dBm minimum

802.11ax HE80(5GHz): +10dBm minimum
 802.11ax HE160(5GHz): +10dBm minimum

Power Consumption • Transmit mode: 2.0 W

•Receive mode:1.6 W

Idle mode (PSP)180 mW (WLAN Associated)
 Idle mode:50 mW (WLAN unassociated)
 Connected Standby/Modern Standby: 10mW

•Radio disabled: 8 mW

Power Management ACPI and PCI Express compliant power management

802.11 compliant power saving mode

Receiver Sensitivity⁴ •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(VHT80): -84dBm maximum
802.11ac, MCS9(VHT80): -59dBm maximum
802.11ac, MCS9(VHT160): -58.5dBm maximum
802.11ax, MCS11(HE40): -57dBm maximum
802.11ax, MCS11(HE80): -54dBm maximum
802.11ax, MCS11(HE160): -53.5dBm 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 with CNVi Interface

Dimensions 1. Type 2230: 2.3 x 22.0 x 30.0 mm

2. Type 1216: 1.67 x 12.0 x 16.0 mm

Weight 1. Type 2230: 2.8g

2. Type 126: 1.3g

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



Technical Specifications

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

Bluetooth Specification 4.0/4.1/4.2/5.0/5.1/5.2 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 data rate; throughput up to 2.17 Mbps

BLE: 1 Mbps data rate; throughput up to 0.2 Mbps

Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice

channels

Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps

asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)

Transmit Power The Bluetooth component shall operate as a Class II Bluetooth device with

a maximum transmit power of + 9.5 dBm for BR and EDR.

Power Consumption Peak (Tx): 330 mW

Peak (Rx): 230 mW

Selective Suspend: 17 mW

Bluetooth Software

Supported

Microsoft Windows Bluetooth Software

Power Management Microsoft Windows ACPI, and USB Bus Support

Certifications FCC (47 CFR) Part 15C, Section 15.247 & 15.249

Power Management Certifications ETS 300 328, ETS 300 826 Low Voltage Directive IEC950

UL, CSA, and CE Mark

Bluetooth Profiles
Supported

BT4.1-ESR 5/6/7 Compliance

LE Link Layer Ping LE Dual Mode

LE Link Layer

LE Low Duty Cycle Directed Advertising

LE L2CAP Connection Oriented Channels

Train Nudging & Interlaced Scan

BT4.2 ESR08 Compliance

LE Secure Connection- Basic/Full LE Privacy 1.2 -Link Layer Privacy

LE Privacy 1.2 - Extended Scanner Filter Policies

LE Data Packet Length Extension

FAX Profile (FAX)

Basic Imaging Profile (BIP)2 Headset Profile (HSP) Hands Free Profile (HFP)

Advanced Audio Distribution Profile (A2DP)

BT5.2

ESR9/10 Compliance

LE Advertisement Extensions Channel Selection Algo

Limited High Duty Cycle Non-Connectable Advertising



Technical Specifications

2Mbps LE LE Long Range

Security & Manageability Intel® vPro™ support with appropriate Intel® chipset components

- 1 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. 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.
- 3. Check latest software/driver release for updates on supported security features.
- 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).
- 5. 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.



Technical Specifications

Intel® Wi-Fi 6¹ AX201 and Wireless LAN Standards

Bluetooth® 5.2 (802.11ax 2x2, nonvPro®, supporting gigabit file transfer

speeds) non-vPro® IEEE 802.11a

IEEE 802.11b

IEEE 802.11g

IEEE 802.11ac
IEEE 802.11ax

IEEE 802.11d IEEE 802.11e IEEE 802.11h

IEEE 802.11i IEEE 802.11k IEEE 802.11r IEEE 802.11v

Interoperability Features Wi-Fi 6 technology

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•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: max 300Mbps802.11ac: 1733Mbps802.11ax: max 2.4Gbps

Modulation Direct Sequence Spread Spectrum

OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM

Security³ •IEEE compliant 64 / 128 bit WEP encryption for a/b/g mode only

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•WAPI

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 802.11n HT40(2.4GHz): +13dBm minimum
 802.11n HT20(5GHz): +14dBm minimum



• 802.11n HT40(5GHz) : +13dBm minimum

• 802.11ac VHT80(5GHz): +10dBm minimum

• 802.11ac VHT160(5GHz): +10dBm minimum

• 802.11ax HE40(2.4GHz): +12dBm minimum

• 802.11ax HE80(5GHz): +10dBm minimum

• 802.11ax HE160(5GHz): +10dBm minimum

Power Consumption • Transmit mode 2.0 W

•Receive mode 1.6 W

•Idle mode (PSP) 180 mW (WLAN Associated)

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802.11a/g, 54Mbps: -72dBm maximum
802.11n, MCS07: -67dBm maximum

• 802.11n, MCS15: -64dBm maximum

802.11ac, MCS0(VHT80): -84dBm maximum
802.11ac, MCS9(VHT80): -59dBm maximum
802.11ac, MCS9(VHT160): -58.5dBm maximum
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802.11ax, MCS11(HE80): -54dBm maximum

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asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)

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Power Consumption Peak (Tx): 330 mW

Peak (Rx): 230 mW

Selective Suspend: 17 mW

Bluetooth Software

Supported

Microsoft Windows Bluetooth Software

Power Management Micros

Certifications

Microsoft Windows ACPI, and USB Bus Support FCC (47 CFR) Part 15C. Section 15.247 & 15.249

Power Management

Certifications

ETS 300 328, ETS 300 826 Low Voltage Directive IEC950

UL, CSA, and CE Mark

Bluetooth Profiles
Supported

BT4.1-ESR 5/6/7 Compliance LE Link Layer Ping

LE Dual Mode

LE Link Layer

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LE Data Packet Length Extension

FAX Profile (FAX)

Basic Imaging Profile (BIP)2 Headset Profile (HSP) Hands Free Profile (HFP)

Advanced Audio Distribution Profile (A2DP)

BT5.2

ESR9/10 Compliance

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Limited High Duty Cycle Non-Connectable Advertising

2Mbps LE LE Long Range



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- 5. 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..



Qualcomm® Snapdragon™ X55 5G Modem¹

Technology/Operating bands

WCDMA/HSDPA/HSUPA/HSPA+ operating bands: Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 6: 830 to 840 MHz (UL), 875 to 885 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) Band 9: 1750 to 1785 MHz(UL), 1845to 1880 MHz (DL) Band 19: 830 to 845 MHz (UL), 875 to 890 MHz (DL)

LTE FDD/TDD operating bands:

Band 1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) Band 2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) Band 3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL) Band 4: 1710 to 1755 MHz (UL), 2110 to 2155 MHz (DL) Band 5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) Band 7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) Band 8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) Band 12: 699 to 716 MHz (UL), 729 to 746 MHz (DL) Band 13: 777 to 787 MHz (UL), 746 to 756 MHz (DL) Band 14: 788 to 798 MHz (UL), 758 to 768 MHz (DL) Band 17: 704 to 716 MHz (UL), 734 to 746 MHz (DL) Band 18: 815 to 830 MHz (UL), 860 to 875 MHz (DL) Band 19: 830 to 845 MHz (UL), 875 to 890 MHz (DL) Band 20: 832 to 862 MHz (UL), 791 to 821 MHz (DL) Band 25: 1850 to 1915 MHz (UL), 1930 to 1995 MHz (DL) Band 26: 814 to 849 MHz (UL), 859 to 894 MHz (DL) Band 28: 703 to 748 MHz (UL), 758 to 803 MHz (DL) Band 29: 717 to 728 MHz (DL) Band 30: 2305 to 2315 MHz (UL) 2350 to 2360 MHz (DL) Band 34: 2010 to 2025 MHz (UL/DL) Band 38: 2570 to 2620 MHz (UL/DL) Band 39: 1880 to 1920 MHz (UL/DL) Band 40: 2300 to 2400 MHz (UL/DL) Band 41: 2496 to 2690 MHz (UL/DL) Band 42: 3400 to 3600 MHZ (UL/DL) Band 46: 5150 to 5925 MHZ (DL) Band 48: 3550 to 3700 MHZ (UL/DL) Band 66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL)

5GNR Sub 6GHZ:

n1: 1920 to 1980 MHz (UL), 2110 to 2170 MHz (DL) n2: 1850 to 1910 MHz (UL), 1930 to 1990 MHz (DL) n3: 1710 to 1785 MHz (UL), 1805 to 1880 MHz (DL) n5: 824 to 849 MHz (UL), 869 to 894 MHz (DL) n7: 2500 to 2570 MHz (UL), 2620 to 2690 MHz (DL) n8: 880 to 915 MHz (UL), 925 to 960 MHz (DL) n12: 699 to 716 MHz (UL), 729 to 746 MHz (DL) n20: 832 to 862 MHz (UL), 791 to 821 MHz (DL) n28: 703 to 748 MHz (UL), 758 to 803 MHz (DL) n41: 2496 to 2690 MHz (UL/DL) n66: 1710 to 1800 MHz (UL), 2110 to 2200 MHz (DL) n77: 3300 to 4200 MHz (UL/DL) n78: 3300 to 3800 MHz (UL/DL) n79: 4400 to 5000 MHz (UL/DL)



Technical Specifications

Wireless protocol 5GNR Air Interface

standards l 3GPP Rel15 5G NR sub-6

LTE Rel14

20 layers and 2 Gbps downlink (DL) throughput – 4 × 4 MIMO across 5x CA

200 Mbps uplink (UL) throughput - 40 MHz ULCA and 256 QAM

WCDMA

R99, 3GPP Release 5, 6, 7 and 8 UMTS Specification

GPS Standalone, A-GPS (MS-A, MS-B)

GPS bands GPS: L1 (1575.42MHz)

> GLONASS: L1 (1602MHz) BeidouB1(1561.098MHz) Galileo E1 (1575.42)

Maximum data rates 5G sub 6G: 3.8 Gbps

> LTE: ue-CategoryDL 20, (DL: 2 Gbps) ue-CategoryUL 18, (UL: 200Mbps)

DC-HSPA+: 42 Mbps (Download), 5.76 Mbps (Upload) HSPA+: 21Mbps (Download), 5.76 Mbps (Upload)

Maximum output

LTE: 23 dBm in all band except B41 LTE B41 HPUE = 26dBm power

HSPA+: 23.5 dBm

Maximum power 5G Sub 6: 2500 mA

consumption

LTE: 1,300 mA (peak); 1100 mA (average) HSPA+: 1,100 mA (peak); 800 mA (average)

Form Factor M.2, 3042-S3 Kev B

Weight 8 q

Dimensions 42 mm × 30 mm × 2.6 mm

(Length x Width x Thickness)

1. Qualcomm® 5G module is optional and must be configured at the factory. Module designed for 5G networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4, requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 5G LTE not available on all products, in all regions. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G LTE module is available where carrier supported. US Configurations: Verizon mobile broadband service is not supported with this module.



Intel® XMM™ 7360 LTE-Advanced CAT9¹ Technology/Operating

bands

FDD LTE:

2100 (Band 1), 1900 (Band 2), 1800 (Band 3),

1700/2100 (Band 4), 850 (Band 5), 2600 (Band 7), 900 (Band 8), 1400 (Band 11), 700 (Band 12 lower), 700 (Band 13 upper), 700 (Band 17 lower), 850 (Band 18 lower), 850 (Band 19 upper), 800 (Band 20), 1400 (Band 21), 850 (Band 26), 700 (Band 28), 700 (Band 29 RX only), 2300 (Band 30),

1700/2100 (Band 66).

TDD LTE:

2600 (Band 38), 1900 (Band 39), 2400 (Band 40), 2500 (Band 41). HSPA+: 2100 (Band 1), 1900 (Band 2), 1700/2100 (Band 4),

850 (Band 5), 900 (Band 8) MHz

Wireless protocol

standards

3GPP Release 11 LTE Specification CAT.9, MAX 60MHz aggregation BW

WCDMA R99, 3GPP Release 5, 6, 7 and 8 UMTS Specification

GPS Standalone, A-GPS (MS-A, MS-B)

GPS bands GPS 1575.42 MHz ± 1.023 MHz, GLONASS 1596-1607MHz, Beidou

1561.098 ± 2.046 MHz

Maximum data rates LTE: 450 Mbps (DL 3CA), 50 Mbps (Upload)

DC-HSPA+: 42 Mbps (Download), 5.76 Mbps (Upload) HSPA+: 21 Mbps (Download), 5.76 Mbps (Upload)

Maximum output power LTE: 23 dBm

HSPA+: 23.5 dBm

Maximum powerLTE: 1,200 mA (peak); 900 mA (average)consumptionHSPA+: 1,100 mA (peak); 800 mA (average)

Form Factor M.2, 3042-S3 Key B

Weight 6.2 g

Dimensions 42 x 30 x 2.3 mm

(Length x Width x

Thickness)

1. Mobile Broadband is an optional feature. Connection requires wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. Connections speeds will vary due to locations, environment, network conditions, and other factors. 4G LTE not available on all products or in all countries.



POWER

AC Adapter 65 Watt nPFC Slim USB type C Straight 1.0m

Dimensions Weiaht Input

88x53.5x21mm unit: 220g +/- 10g 100 to 240 VAC

81.5% min at 115 Vac/ 230Vac @ 5V/3A **Input Efficiency** 86.7% min at 115 Vac/ 230Vac @ 9V/3A 88% min at 115 Vac/ 230Vac @ 12V/5A 89% min at 115 Vac/ 230Vac @ 15V/4.33A

89% min at 115 Vac/ 230Vac @ 20V/3.25A 47 ~ 63 Hz

Input frequency range

Input AC current 1.7 A at 90 VAC and maximum load

Output **Output power** 65W

> **DC** output 5V/9V/12V/15V/20V Hold-up time 5ms at 115 Vac input

Output current limit <8.0A

Connector **USB Type-C**

Environmental Design Operating temperature

32°Fto 95°F (0°to 35°C) Non-operating (storage) -4°Fto 185°F (-20°to 85°C)

temperature

Altitude 0 to 16,400 ft (0 to 5000m)

Humidity 5% to 95% Storage Humidity 5% to 95%

EMI and Safety Certifications

*CE Mark - full compliance with LVD and EMC directives

* Worldwide safety standards - IEC60950-1 and/or IEC62368-1, EN60950-1 and/or EN62368-1, UL60950-1 and/or UL62368-1, Class1, SELV; Agency approvals - C-UL-US, NORDICS, DENAN, EN55032 Class B, FCC

Class B, CISPR32 Class B, CCC, NOM-001 NYCE.

* MTBF - over 200,000 hours at 25°C ambient condition.

AC Adapter 65 Watt nPFC Dimensions Standard USB type C Straight 1.0m

90.0x51x28.5mm

Weight unit: 250g +/- 10g Input 100 to 240 VAC

> Input Efficiency 81.5% min at 115 Vac/ 230Vac @ 5V/3A 86.7% min at 115 Vac/ 230Vac @ 9V/3A

88% min at 115 Vac/ 230Vac @ 12V/5A 89% min at 115 Vac/ 230Vac @ 15V/4.33A 89% min at 115 Vac/ 230Vac @ 20V/3.25A

Input frequency range

47 ~ 63 Hz

Input AC current

1.6 A at 90 VAC and maximum load

Output 65 W **Output power**

> DC output 5V/9V/12V/15V/20V Hold-up time 5ms at 115 Vac input

Output current limit

8.0A Max.

Connector **USB TYPE C**

32°F to 95°F (0°to 35°C) **Environmental Design** Operating temperature

Non-operating (storage) -4°F to 185°F (-20°to 85°C)

temperature

Altitude 0 to 16,400 ft (0 to 5000m)

Humidity 20% to 95% **Storage Humidity** 10% to 95%

Safety Certifications - CE Mark - full compliance with LVD and EMC directives

- Worldwide safety standards -IEC60950, EN60950, UL60950, UL62368, 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 4-cell Long Life Li-Ion(56Wh) **Dimensions** $(H \times W \times L)$

5.25x85.00x274.00 mm

Weight 0.259 kg

Cells/Type4cell Lithium-Ion Polymer cell / 446872EnergyVoltage8.8V/7.7VAmp-hour capacity7.3Ah/7.0Ah

Watt-hour capacity 56 Wh

Temperature Operating (Charging) 32° to 113° F (0° to 45° C)
Operating (Discharging) 14° to 122° F (-10° to 60° C)

Optional Travel

No

Battery Available

HP 2-cell Long Life Li-Ion(38Wh) **Dimensions** (H x W x L) 5.20*79.40*274.00

Weight 0.16 kg

Cells/Type 2 cell Lithium-Ion Polymer cell / 4453C2
Energy Voltage 8.8V/7.7V
Amp-bour capacity 4.93Ab/4.68Al

Amp-hour capacity 4.93Ah/4.68Ah

Watt-hour capacity 38 Wh

Temperature 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

Technical Specifications

FINGERPRINT READER

Model: Synaptics Validity VFS7604 touch sensor

Mobile Voltage Operation: 3.0V to 3.6V Operating Temperature: 0~60°C Current Consumption Image: 100mA Max Low Latency Wait For Finger: 260 uA

Capture Rate: <30msec per image

ESD Resistance: IEC 61000-4-2 4B (+/-15KV) **Detection Matrix:** 363 dpi / 7.4x6mm sensor area

FRR (False Reject Rate) / FAR

(False Acceptance Rate):

FRR <1% @ 1:50K FAR

ENVIRONMENTAL DATA

Eco-Label Certifications	This product has received or is in the process of being certified to the following approvals and may			
& declarations	be labeled with one or more of these marks:			
	IT ECO declaration			
	US ENERGY STAR®			
		y Management Program (FEN		
	EPEAT [®] Gold registered in the United States. See http://www.epeat.net for registration			
	status in your cou	ıntry.		
	• TCO 8.0			
		servation Program (CECP)	. (555.)	
		onmental Protection Adminis	stration (SEPA)	
	Taiwan Green Mark			
	Korea Eco-label			
Sustainable Impact	Japan PC Green la Oscan Bound Plastic in s			
•	Ocean-Bound Plastic in speaker enclosure and bezel ¹ 100/			
Specifications	 Low halogen³ Outside Box and corrugated cushions are 100% sustainably sourced and recyclable⁴ Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable⁵ 			
	Bulk packaging available 1. Percentage of ocean-bound plastic contained in each component varies by product			
	 2. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. 3. External power supplies, WWAN modules, power cords, cables and peripherals excluded. 4. 100% outer box packaging and corrugated cushions made from sustainably sourced certified 			
and recycled fibers.				
	5. Fiber cushions made from 100% recycled wood fiber and organic materials.			
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the			
	Notebook model is based on a "Typically Configured Notebook".			
Energy Consumption				
(in accordance with US				
ENERGY STAR® test				
method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz	
Normal Operation	5.07 W	5.26 W	4.92 W	
(Sort idle)				

Technical Specifications

Normal Operation (Long idle)	0.73 W	0.82 W	0.78 W
Sleep	0.73 W 0.82 W		0.78 W
Off	0.30 W	0.32 W	0.29 W
	family. HP computers marl Environmental Protection family does not offer ENER	ked with the ENERGY S Agency (EPA) ENERGY GY STAR® compliant co PC featuring a hard d	AR® compliant product if offered within the model TAR® Logo are compliant with the applicable U.S. STAR® specifications for computers. If a model onfigurations, then energy efficiency data listed is isk drive, a high efficiency power supply, and a
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation	16 BTU/hr	16 BTU/hr	16 BTU/hr
(Short idle)	10 510/111	10 510/111	10 210/111
Normal Operation	3 BTU/hr	3 BTU/hr	2 BTU/hr
(Long idle)			
Sleep	3 BTU/hr	3 BTU/hr	2 BTU/hr
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr
Declared Noise	attained for one hour. Sound Power Sound Pressure		Sound Pressure
Emissions	(L _{WAd} , bels)		(L _{pAm} , decibels)
(in accordance with ISO 7779 and ISO 9296)			
Typically Configured – Idle	2.7		13.8
Fixed Disk – Random writes	3.0		19.8
Optical Drive – Sequential reads	3.4		22.7
Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.		
Additional Information	 This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC. This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC. This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, see http://www.epeat.net Plastics parts weighing over 25 grams used in the product are marked per IS011469 and IS01043. This product is 11.07% recycle-able when properly disposed of at end of life. 		



Technical Specifications

Packaging Materials	Materials External: PAPER/Corrugated		215 g	
		PAPER/Corrugated	49 g	
	Internal: PLASTIC/polypropylene		3 g	
		PLASTIC/Polyethylene low density	111 g	
		PAPER/Molded pulp	102 g	
	PAPER/Molded pulp		154 g	
	The plastic packaging material contains at least 0% recycled content.			
	The corrugated paper packaging materials contains at least 64% recycled content.			
	HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam. We believe the RoHS directive and similar laws play an important role in promoting industry-wide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products. We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve. To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.			
Material Usage	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at: http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html			
	Asbestos Certain Azo Colorants Certain Brominated Flame Retardants – may not be used as flame retardants in plastics Cadmium Chlorinated Hydrocarbons Chlorinated Paraffins Bis(2-Ethylhexyl) phthalate (DEHP) Benzyl butyl phthalate (BBP) Dibutyl phthalate (DIBP) Diisobutyl phthalate (DIBP) Formaldehyde Halogenated Diphenyl Methanes Lead carbonates and sulfates Lead and Lead compounds Mercuric Oxide Batteries Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. Ozone Depleting Substances Polybrominated Biphenyls (PBBs) Polybrominated Biphenyl Ethers (PBBEs) Polybrominated Biphenyl Oxides (PBBOs) Polychlorinated Biphenyl (PCB) Polychlorinated Terphenyls (PCT) Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has			



Technical Specifications

	 Radioactive Substances Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO) 		
Packaging Usage	 HP follows these guidelines to decrease the environmental impact of product packaging: Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. Eliminate the use of ozone-depleting substances (ODS) in packaging materials. Design packaging materials for ease of disassembly. Maximize the use of post-consumer recycled content materials in packaging materials. Use readily recyclable packaging materials such as paper and corrugated materials. Reduce size and weight of packages to improve transportation fuel efficiency. Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards. 		
End-of-life Management and Recycling	HP offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.		
	The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers . These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.		
HP, Inc. Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications		
	http://www8.hp.com/us/en/hp-information/environment/ecolabels.html ISO 14001 certificates: http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and		
	http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf		

COUNTRY OF ORIGIN

China



Options and Accessories (sold separately and availability may vary by country)

•				
Туре	Description	Part Number		
Audio	HP Wired Thunderbolt Audio Module	3AQ21AA,3AQ21UT,3AQ21ET		
	HP Wired USB-A UC SPK Phone	4VW02AA		
Case	HP Business 13.3 Sleeve	2UW00AA,2UW00UT,2UW00ET		
	HP Business 14.1 Sleeve	2UW01A6		
	HP Business 14.1 Sleeve	2UW01AA,2UW01UT,2UW01ET		
	HP Business 15.6 Case	2SC66A6		
	HP Business 15.6 Top Load	2SC66AA,2SC66UT,2SC66ET		
	HP Business 17.3 Backpack	2SC67A6		
	HP Business 17.3 Backpack	2SC67AA,2SC67UT,2SC67ET		
	HP Business Slim 14.1 Top Load	2SC65A6		
	HP Business Slim 14.1 Top Load	2SC65AA,2SC65UT,2SC65ET		
	HP Business Slim 17.3 Top Load	2UW02A6		
	HP Business Slim 17.3 Top Load	2UW02AA,2UW02UT,2UW02ET		
	HP Executive 14.1 Tote	6KD10AA,6KD10UT,6KD10ET		
	HP Executive 15.6 Backpack	6KD07AA,6KD07UT,6KD07ET		
	HP Executive 15.6 Top Load	6KD06AA,6KD06UT,6KD06ET		
	HP Executive 17.3 Backpack	6KD05AA,6KD05UT,6KD05A9,6K D05ET		
	HP Executive 17.3 Top Load	6KD08AA,6KD08UT,6KD08ET		
	HP Executive Convertible 14.1 Tote	5KN27AA		
	HP Executive Leather 15.6 Top Load	6KD09AA,6KD09UT,6KD09ET		
	HP Executive Slim 14.1 Top Load	6KD04AA,6KD04UT,6KD04ET		
	HP Prelude G2 15.6 Backpack	1E7D6A6		
	HP Prelude G2 15.6 Backpack	2Z8P3AA,1E7D6AA		
	HP Prelude G2 15.6 Top Load	1E7D7A6		
	HP Prelude G2 15.6 Top Load	2Z8P4AA,1E7D7AA		
	HP Prelude Pro Recycled 15.6 Backpack	1X644A6		
	HP Prelude Pro Recycled 15.6 Backpack	1X644AA,1X644UT,1X644ET		
	HP Prelude Pro Recycled 15.6 Top Load	1X645A6		
	HP Prelude Pro Recycled 15.6 Top Load	1X645AA,1X645UT,1X645ET		
	HP Renew Business 14.1 Laptop Bag AMO	3E5F9A6		
	HP Renew Business 14.1 Laptop Bag	3E5F9AA,3E5F9UT,3E5F9ET		
	HP Renew Business 14.1 Laptop Sleeve	3E2U7AA,3E2U7UT,3E2U7ET		
	HP Renew Business 14.1 Sleeve	3E2U7A6		
	HP Renew Business 15.6 Laptop Bag	3E5F8A6		
	HP Renew Business 15.6 Laptop Bag	3E5F8AA,3E5F8UT,3E5F8ET		
	HP Renew Business 17.3 Laptop Backpack	3E2U5A6		
	HP Renew Business 17.3 Laptop Backpack	3E2U5AA,3E2U5UT,3E2U5ET		
	HP Renew Business 17.3 Laptop Bag	3E2U6AA,3E2U6UT		
Digital Pen	HP Rechargeable Active Pen G3	6SG43AA		



Options and Accessories (sold separately and availability may vary by country)

Docks	HP USB-C/A 120W G2 Universal Dock	5TW13AA, 5TW13ET, 5TW13UT
	HP Thunderbolt 120W G2 Dock	6HP48AA, 2UK37AA, 2UK37ET
	HP Thunderbolt 120W G2 Dock w/Audio	3YE87AA, 3YE87ET
	HP Thunderbolt 230W G2 Dock	2UK38AA, 2UK38UT, 2UK38ET
	HP Thunderbolt 230W G2 Dock w/Combo Cable	3TR87AA, 3TR87UT, 3TR87ET
	HP USB-C 120W G5 Dock	26D32AA, 5TW10XX
	HP USB-C Mini Dock	1PM64AA,1PM64UT, 1PM64ET
	HP USB-C Travel Dock G2	7PJ38AA,7PJ38UT,7PJ38ET
Input/Output	HP WL USB Agnes Keyboard	T6U20AA, T6U20UT
	HP Collaboration WL Wanda Bluetooth Keyboard	Z9N39AA, Z9N39UT
	HP Wired Desktop 320K Keyboard	9SR37AA, 9SR37UT, 9SR37ET
	HP 125 WD USB Keyboard	266C9AA, 266C9UT, 266C9ET
	HP Wireless Rechargeable 950MK Mouse and Keyboard	3M165AA, 3M165UT
	HP USB Essential Keyboard/Mouse	H6L29AA
	HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA, 9SR36UT, 9SR36ET
	HP Slim Wireless Keyboard and Mouse	T6L04AA, T6L04UT
	HP Wired Desktop 320M Mouse	9VA80AA, 9VA80UT, 9VA80ET
	HP Wired Mouse	265A9AA, 265A9UT, 265A9ET
	HP LSR Wired Mouse	265D9AA, 265D9UT, 265D9UT
	HP USB 320M Wired Mouse	9VA80AA,9VA80UT,9VA80ET
	HP Comfort Grip USB Wireless Mouse	H2L63AA, H2L63UT
	HP Bluetooth Fingerprint Reader USB Mouse	4TS44AA,4TS44UT,4TS44ET
	HP Bluetooth Travel Bluetooth Mouse	6SP30AA,6SP30UT,6SP30ET
	HP Creator USB-A+Bluetooth 935 Wireless Mouse Black	1DOK8AA, 1DOK8ET, 1DOK8UT
	HP Presenter Bluetooth 4.2 Bluetooth Mouse	2CE30AA,2CE30UT,2CE30ET
	HP UltraMobile USB-A Wireless Mouse	H6F25AA, H6F25UT
	HP USB-A Fingerprint Reader USB Mouse	4TS44AA, 4TS44UT, 4TS44ET
	HP USB-A Laser 3 Button USB Mouse	H4B81AA, H4B81ET
	HP USB Premium USB Mouse	1JR32AA,1JR32UT
	HP USB Premium Wireless Mouse	1JR31AA,1JR31UT
	HP USB Travel USB Mouse	G1K28AA, G1K28ET
	HP Multi-Device 635 Black Wireless Mouse	1D0K2AA
	HP USB-A+Bluetooth Travel Bluetooth Mouse	6SP30AA, 6SP30UT, 6SP30ET
	HP HDMI to DVI Adapter	F5A28AA
	HP HDMI to VGA Adapter	H4F02AA, H4F02UT, H4F02ET
	HP USB 3.0 to Gigabit Adapter	N7P47AA
	HP USB-C to 4.5mm Adapter	4ST73AA
	HP USB-C to HDMI 2.0 Adapter	2PC54AA,1WC36UT,1WC36AA
	HP USB-C to RJ45 Adapter	V8Y76AA, V7W66AA, V7W66UT
	HP USB-C to USB-A Adapter	N2Z63AA, N2Z63UT
	HP 4.5 mm and USB-C Dock Adapter G2	6LX61AA
	HP USB-C to USB-A Hub Jake	Z8W90AA, Z6A00XX
	HP USB-C to USB-C Cable Blight	5AR72AA



Options and Accessories (sold separately and availability may vary by country)

HP USB-C to VGA Adapter P7Z54AA, N9K76AA, N9K76UT

Power HP 45W USB-C G2 Zeus AC Power Adapter 1HE07AA,1HE07UT

HP 45W USB-C LC Dali AC Power Adapter 1MZ01AA

HP 65W USB-C Auto Chevy AC Power Adapter 5TQ76AA,5TQ76UT,5TQ76ET

HP 65W USB-C Hades AC Power Adapter X7W50AA,1HE08XX

HP 65W USB-C LC AC Power Adapter 1P3K6AA

HP 90W USB-C Gaia AC Power Adapter 2LN85AA

HP USB Power Bank N9F71AA, N9F71UT

HP USB-C Essential Power Bank 3TB55AA,3TB55UT

Storage HP USB DVD-Writer EXT ODD Y3T76AA, F2B56AA, F2B56UT,

F2B56ET

Security HP Nano Cable Lock 1AJ39AA,1AJ39UT

HP Sure Key Cable Lock 6UW42AA

HP Nano Master Keyed Cable Lock 1AJ40AA, 1AJ40UT



Summary of Changes

Date of change:	Version History:		Description of change:
January 22 [,] 2021	V1 to V2		At a Glance section update, WPA3 certification
February 10, 2021	V2 to V3	Add	Environmental Data
February 17, 2021	V3 to V4	Update	Environmental Data
March 2, 2021	V4 to V5	Update	Battery Life
March 5, 2021	V5 to V6	Update	USB ports
March 11, 2021	V6 to V7	Update	Environmental Data
April 16, 2021	V7 to V8	Update	Options and Accessories
April 20, 2021	V8 to V9	Add	Fingerprint Reader
May 6, 2021	V9 to V10	Add	HP Smart Support
May 21, 2021	V10 to V11	Update	Options and Accessories section
May 27, 2021	V11 to V12	Update	HP Pro Security Edition to HP Wolf Pro Security Edition
June 11, 2021	V12 to V13	Remove	HP WorkWell from Software and Security section
June 23, 2021	V13 to V14	Update	Camera in Audio/Multimedia section
September 7, 2021	V14 to V15	Update	Specs in Networking section
October 22, 2021	V15 to V16	Update	Windows 10 with Free upgrade to Windows 11 when available in OS section
			and footnote
November 15, 2021	V16 to V17	Update	Networking Disclaimers
December 8, 2021	V17 to V18	Update	OS footnotes and Wi-Fi 6 footnotes
December 14, 2021	V18 to V19	Update	Windows OS section
February 28, 2022	V19 to V20	Add	Processors base frequency
April 20, 2022	V20 to V21	Added	Reference for USB Ports
September 7, 2022	V21 to V22	Removed	Tile App
December 7, 2022	V22 to V23	Updated	Windows OS
February 23, 2023	V23 to V24	Updated	Disclaimer for Qualcomm® Snapdragon™ X55 5G
March 6, 2023	V24 to V25	Updated	Networking and Communication section
	V25 to V26		

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