Overview

HP 250R 15.6 inch G9 Notebook PC

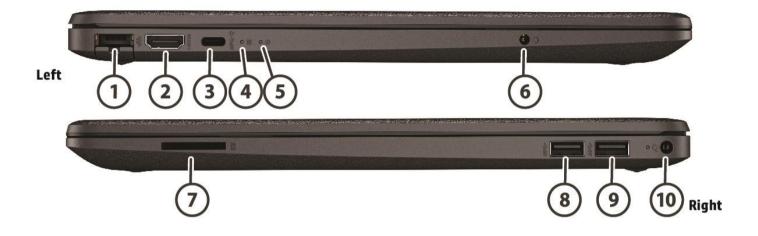


Front

- 1. Internal Dual Digital Microphone
- 2. Webcam LED
- 3. Webcam

- 4. Touchpad
- 5. Touchpad Buttons
- 6. Fingerprint Reader (Selected models)

Overview



- 1. RJ-45 / Ethernet Port
- 2. HDMI Port (Cable Sold Separately)
- **3.** SuperSpeed USB Type-C® 10 Gbps signaling rate (USB Power Delivery, DisplayPort 1.4)
- 4. Storage Indicator LED
- 5. Power Indicator LED
- 6. Audio Combo Jack

Sides

- 7. SD Card Slot
- SuperSpeed USB Type-A 5Gbps signaling rate1 port (USB 3.2 Gen
 1)
- **9.** SuperSpeed USB Type-A 5Gbps signaling rate1 port (USB 3.2 Gen 1)
- 10, Power Connector

PRODUCT NAME

HP 250R 15.6 inch G9 Notebook PC

OPERATING SYSTEMS

Preinstalled Windows 11 Pro – HP recommends Windows 11 Pro for business

Windows11 Home 64 ¹ Windows11 Home 64 Plus ¹

Windows 11 Home 64 Plus Single Language 1,2

Windows 11 Pro Education 1

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.
- 2. This computer is preinstalled with Windows 11 Home Single Language.

PROCESSORS

Processor 3,4,5,6,7,8	Cores	Number of P-cores	Number of E-cores	Threads	L3 Cache		Γurbo ency ⁵	Base Fr	equency	Intel SIPP/vPro® Enterprise
						P-cores	E-cores	P-cores	E-cores	
Intel Core i5-1345U	10 cores	2	8	12	12MB	4.7 GHz	3.5 GHz	1.6 GHz	1.2 GHz	Х
Intel Core i5-1335U	10 cores	2	8	12	12MB	4.6 GHz	3.4 GHz	1.3 GHz	0.9 GHz	
Intel Core i3-1315U	6 cores	2	4	8	10MB	4.5 GHz	3.3 GHz	1.2 GHz	0.9 GHz	

- 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 http://www.intel.com/technology/turboboost for more information.
- 6. Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
- 7. 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.
- 8. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.



CHIPSET

Chipset is integrated with processor.

GRAPHICS

Integrated

Intel® Iris® Xe Graphics 9 Intel® UHD Graphics

Supports

Support HD decode, DX12, HDMI 1.4b 10

Hardware acceleration for CODEC H.265/HEVC (High Efficiency Video Coding) is disabled on this platform.

9. 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.

10. HD content required to view HD images.

DISPLAY

Non-Touch

39.6 cm (15.6") diagonal, FHD (1920 x 1080), anti-glare, UWVA, micro-edge, 300 nits, 45% NTSC eDP 1.2 ^{11,12,13} 39.6 cm (15.6") diagonal, FHD (1920 x 1080), anti-glare, SVA, micro-edge, 250 nits, 45% NTSC eDP 1.2 ^{11,12,13} 39.6 cm (15.6") diagonal, HD (1366x768), anti-glare, SVA, micro-edge, 250 nits, 45% NTSC eDP 1.2 ^{11,12,13}

HDMI

Supports resolutions up to 1920 x 1080 external resolution @60 Hz

Display Size

15.6" diagonal 39.6 cm (15.6") diagonal

Screen to Body Ratio

80.69%

Aspect Ratio

16.9

- 11. HD content required to view HD images.
- 12. Sold separately or as an optional feature.
- 13. Resolutions are dependent upon monitor capability, and resolution and color depth settings.



DOCKING (SOLD SEPARATELY)

Docking station model #1 HP USB-C Dock G5

Docking station model #2 HP USB-C/A G2 Universal Dock

For additional aftermarket options and docking specs please see page 27.

STORAGE AND DRIVES

Primary Storage

1 TB PCIe® NVMe™ M.2 TLC Solid State Drive ¹⁴ 512 GB PCIe® NVMe™ M.2 TLC Solid State Drive ¹⁴ 256 GB PCIe® NVMe™ M.2 TLC Solid State Drive ¹⁴ 128 GB PCIe® NVMe™ M.2 TLC Solid State Drive ¹⁴

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

MEMORY

Maximum Memory

32 GB DDR4-3200 MHz SDRAM (2 x 16 GB) 15,16

Memory

32 GB DDR4-3200 MHz SDRAM (2 x 16 GB) ^{15,16}
16 GB DDR4-3200 MHz SDRAM (1 x 16 GB) ^{15,16}
16 GB DDR4-3200 MHz SDRAM (2 x 8 GB) ^{15,16}
8 GB DDR4-3200 MHz SDRAM (1 x 8 GB) ^{15,16}
8 GB DDR4-3200 MHz SDRAM (2 x 4 GB) ^{15,16}
4 GB DDR4-3200 MHz SDRAM (1 x 4 GB) ^{15,16}

Memory Slots

2 SODIMM (select models) ^{15,16} All slots are customer non-accessible / non-upgradeable Supports Dual Channel Memory¹⁶

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

16. 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 Wireless Card WLAN ¹⁷ Intel® Dual Band Wi-Fi 6 AX201 802.11a/b/g/n/ac/ax (2x2) WLAN and Bluetooth® 5.2 Wireless Card, non-vPro® ¹⁷

Miracast

Compatible with Miracast-certified devices (For Windows11) 18

Ethernet

Realtek RTL8111HSH-CG Integrated 10/100/1000 NIC¹⁹

- 17. 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.
- 18. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
- 19. The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

AUDIO/MULTIMEDIA

Audio

2 Integrated stereo speakers Integrated dual array microphone

Speaker Power

2W/4ohm

Camera

720p HD camera with Temporal Noise Reduction 10

10. HD content required to view HD images.

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

Full size textured island-style keyboard

Pointing Device

Touchpad with multi-touch gesture support (PTP certified)

Function Keys

- 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



Technical Specifications

F11 - Next F12 - Airplane mode Microsoft Copilot Key ²⁰

20. Requires Windows 11 and an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot in Windows is not available, the Copilot key will lead to the Bing search engine. See http://aka.ms/WindowsAIFeatures

SOFTWARE AND SECURITY

Software

HP Connection Optimizer
HP Privacy Settings
HP Smart Support ²¹
MyHP
Buy Microsoft Office (Sold separately)

Manageability Features

Touchpoint Customizer for Consumer

Security Management

McAfee Security (30 days free trial as default)²² Express VPN (30 days free trial) LastPass password manager Discrete TPM 2.0 Fingerprint Reader

21. HP Smart Support requires the HP agent to be installed. For more information about how to enable or to download HP Smart Support, please visit http://www.hp.com/smart-support. HP Services Scan is provided thru Windows Update and will check entitlement on each hardware device to determine if an HP agent-enabled service has been purchased, and will download applicable software automatically. The HP agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access is required. For full system requirements or to disable this feature, please visit http://www.hpdaas.com/requirements.

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 ²³ HP Smart 45 W External AC power adapter ²³ HP Smart 65 W USB Type-C® adapter ²³

Battery

HP Long Life 3 cell 41Whr Polymer 24,25

Power Cord

1M (3.28 feet) length power cord

Battery Life

Up to 7hours 15 minutes with 41Whr battery²⁶

Battery Weight

0.42 lb 0.19 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. MM25 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

Starting at 3.84 lb ²⁷ Starting at 1.74 kg ²⁷

Product Dimensions (W x D x H) 28

358 mm (W) x 242 mm (D) x 9.2mm (front)/ 14.8mm (rear) Maximum height 19.9 (mm) 14.09 in (W) x 9.53 in (D) x 0.36 in (front)/ 0.58 in (rear) Maximum height 0.78 (in)

Package Dimensions (W x D x H)²⁹

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

- 27. Weight will vary by configuration.
- 28. Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.
- 29. Product packaging size varies based on options chosen. Please contact your HP representative for your packaging size details. For detailed packaging information, access the HP Commercial Notebooks Packaging Guide.

PORTS/SLOTS

- 2 SuperSpeed USB Type-A 5Gbps signaling rate
- 1 SuperSpeed USB Type-C[®] 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
- 1 HDMI v1.4b 30
- 1 RJ-45
- 1 AC Power
- 1 Headphone/mic combo jack

Expansion Slots

Support SD/SDHC/SDXC

1 multi-format digital media reader

30. HDMI cable sold separately.



Technical Specifications

ENVIRONMENTAL DATA

Eco-Label Certifications & declarations	This product has received or is in and may be labeled with one or		d to the following approvals		
	IT ECO declaration				
	 US ENERGY STAR® 				
	US Federal Energy Man	agement Program (FEMP)			
		d in the United States. See htt	p://www.epeat.net for		
	registration status in ye	our country.			
	 TCO Certified 				
	 China Energy Conserva 				
		ntal Protection Administration	n (SEPA)		
	Taiwan Green Mark				
	Korea Eco-label				
Custoinable Impact	Japan PC Green label*				
Sustainable Impact Specifications	Product Carbon Footpri				
Specifications	2.5% post-consumer re	ecycled plastic			
	Low halogen Outside Boy and serving	rated suchions are 100% such	sinably coursed and		
		gated cushions are 100% sust	amably Sourced and		
	 recyclable Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable. 				
	 Molded Paper Pulp Cusnion inside box is 100% sustainably sourced and recyclable. Bulk packaging available 				
System Configuration	The configuration used for the E		ared Noise Emissions data for		
3	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 (Short idle)	4.96 W	4.96 W	5.00 W		
Normal Operation (Long idle) Sleep	2.40 W 1.16 W	2.58 W 1.22 W	2.36 W 1.13 W		
Off	0.20 W	0.24 W	0.20 W		
	NOTE: Energy efficiency data listed model family. HP computers marke U.S. Environmental Protection Ager family does not offer ENERGY STAR for a typically configured PC featuri Microsoft Windows® operating syst	d with the ENERGY STAR® Logo a ncy (EPA) ENERGY STAR® specific ® compliant configurations, ther ing a hard disk drive, a high effici	are compliant with the applicable ations for computers. If a model a energy efficiency data listed is		
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz		
Normal Operation (Short idle)	17 BTU/hr	17 BTU/hr	17 BTU/hr		
Normal Operation (Long idle)	8 BTU/hr	9 BTU/hr	8 BTU/hr		
Sleep	4 BTU/hr	4 BTU/hr	4 BTU/hr		
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr		
	*NOTE: Heat dissipation is calculevel is attained for one hour.	lated based on the measured	watts, assuming the service		
Declared Noise Emissions (in accordance with	Sound Power (L _{WAd} , bels)		Sound Pressure (L _{pAm} , decibels)		
ISO 7779 and ISO 9296)					
	2.6		26		
Typically Configured – Idle	2.6 2.9		26 29		
ISO 7779 and ISO 9296) Typically Configured – Idle Fixed Disk – Random writes Optical Drive – Sequential reads					





recinical specifical	10113				
	Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.				
Additional Information	(RoHS) This H Equipm This pm Safe D This pm level, see the pm 150114) directive - 2011/65/EC. P product is designed to comply with the Waste Electrical ment (WEEE) Directive – 2002/96/EC. roduct is in compliance with California Proposition 65 (Solinking Water and Toxic Enforcement Act of 1986). roduct is in compliance with the IEEE 1680 (EPEAT) standage www.epeat.net as parts weighing over 25 grams used in the product are 469 and ISO1043.	duct is designed to comply with the Waste Electrical and Electronic WEEE) Directive – 2002/96/EC. It is in compliance with California Proposition 65 (State of California; g Water and Toxic Enforcement Act of 1986). It is in compliance with the IEEE 1680 (EPEAT) standard at the Gold ww.epeat.net The work we will be supported by the work of the product are marked per		
Packaging Materials	External:	PAPER/Corrugated	293 g		
		PAPER/Molded Pulp	148 g		
	Internal:	PLASTIC/Polyethylene low density – LDPE	10 g		
		PLASTIC/Polypropylene – PP	4 g		
		ckaging material contains at least 0.00% recycled conte d paper packaging materials contains at least 57.0% rec			
(RoHS) Directive to our products worldwide through the HP GSE. HP had development of related legislation in Europe, as well as China, India, as We believe the RoHS directive and similar laws play an important role industry-wide elimination of substances of concern. We have supported additional substances—including PVC, BFRs, and certain phthalates—legislation that pertains to electrical and electronics products. We met our voluntary objective to achieve worldwide compliance with requirements for virtually all relevant products by July 2013, and we we extend the scope of the commitment to include further restricted subtregulations continue to evolve. To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS			n promoting d the inclusion of n future RoHS the new EU RoHS ill continue to tances as		
Material Usage	(refer to the HF https://h20195 • Asbesi • Certaii • Certaii plastic • Cadmi • Chlorii • Chlorii	n Azo Colorants n Brominated Flame Retardants – may not be used as fla ss	98906):		



Technical Specifications

	 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 been voluntarily removed from most applications. 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: https://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c05403198 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: HP Product Disassembly Instruction Website. 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: Sustainable Impact Report https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c06040843 Eco-label certifications https://www.hp.com/us-en/sustainable-impact/document-reports.html#filters_documents_reports-=document_type-type_energy_star,type_epeat,type_tcoISO ISO 14001 certificates: https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=c04777932



footnotes	 Percentage of ocean-bound plastic contained in each component varies by product Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. External power supplies, WWAN modules, power cords, cables and peripherals excluded. 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic materials. Disclaimer: recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
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Technical Specifications

SERVICE AND SUPPORT

1-year warranty 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.31

31. HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit http://www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.



SYSTEM UNIT

Stand-Alone Power Requirements

(AC Power)

Nominal Operating Voltage 19.5V
Average Operating Power 6.3W
Integrated graphics Yes
Max Operating Power UMA<45W

Temperature

Operating 0° to 35° C (32° to 95° F) Non-operating 5° to 35° C (41° to 95° F)

Relative Humidity

Operating 10% to 90 % (non-condensing)

Non-operating 5% to 95 %, 38.7° C (101.6° F) maximum wet bulb temperature

Shock

Operating 40 G, 2 ms, half-sine Non-operating 200 G, 2 ms, half-sine

Random Vibration

Operating 0.75 grams
Non-operating 1.50 grams

Altitude (unpressurized)

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

Yes

Planned Industry Standard

Certifications

Regulatory Model Number TPN-C139

CSA/UL 62368-1 Yes ENERGY STAR® Yes

EPEAT® Gold in the United States 32

FCC/ICES/CISPR/VCCI Yes
CE MARKING Yes
MIL-STD 810H Testing Yes³³

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.

33. MIL STD 810H testing is not intended to demonstrate fitness for 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.



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.

15.6 in FHD (1920 x 1080) Anti-Glare UWVA LED NTSC 45 NWBZ 300 eDP 1.2 w/o PSR flat LCD Panel

 Outline Dimensions (W x H)
 350.96 x 216.75 (max)

 Active Area
 344.16 x 193.59 (typ)

Weight370 (max)Diagonal Size15.6 (inch)Surface TreatmentAnti-Glare

Touch Enabled No

Contrast Ratio 1000:1 (typ)

Refresh Rate 60Hz

Brightness 300 nits (typ.) **Pixel Resolution - Format** 1920 x 1080 (FHD)

BacklightWLEDPixel ResolutionRGBColor Gamut CoverageNTSC 45%Color Depth6+2 FRC

Viewing Angle UWVA 89/89/89

Low Blue Light No

Power Consumption (W, EBL@ 150nits max/ 200nits max))

2.71 (max) / 3.4 (max)

Panel LCD 15.6-in FHD (1920x1080) Anti-Glare WLED SVA 45percent cg 250nits eDP 1.2 w/o PSR NWBZ ultraslim

 Outline Dimensions (W x H)
 350.96 x 216.75 (max)

 Active Area
 344.16 x 193.59 (typ)

Weight 360 (max)

Diagonal Size 15.6 (inch)

Surface Treatment Anti-Glare

Touch Enabled No

Contrast Ratio 300: 1 (typ)

Refresh Rate 60Hz

Brightness 250 nits (typ.) **Pixel Resolution - Format** 1920 x 1080 (FHD)

BacklightWLEDPixel ResolutionRGBColor Gamut CoverageNTSC 45%

Color Depth 6

Viewing Angle SVA 45/45/15/30

Low Blue Light No

Power Consumption (W, EBL@ 2.67 (max) / 3.33 (max) 150nits max/ 200nits max))



Panel LCD 15.6-in HD (1366x768) Anti-Glare WLED SVA 45percent cg 250nits eDP 1.2 w/o PSR NWBZ ultraslim

 Outline Dimensions (W x H)
 351.03 x 216.75 (max)

 Active Area
 344.23 x 193.54 (tvp)

Weight 370 (max)

Diagonal Size 15.6 (inch)

Surface Treatment Anti-Glare

Touch Enabled No

Contrast Ratio 300: 1 (typ)
Refresh Rate 60Hz

Brightness 250 nits (typ.) **Pixel Resolution - Format** 1366 x 768 (HD)

BacklightWLEDPixel ResolutionRGBColor Gamut CoverageNTSC 45%

Color Depth 6

Viewing Angle SVA 45/45/15/30

Low Blue Light No

Power Consumption (W, EBL@ 2.49 (max) / 2.78 (max) **150nits max/ 200nits max)**



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.

SSD 256GB 2280 PCIe NVMe Form Factor

M.2 2280

Value

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 Gen4X4

 Maximum Sequential Read
 2000 MB/s ±20%

 Maximum Sequential Write
 900 MB/s ±20%

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

500,118,192

Features Pyrite 2.0; TRIM; L1.2

SSD 512GB 2280 PCIe NVMe Form Factor

Value

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

Logical Blocks

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 2200 MB/s ±20%

 Maximum Sequential Write
 1000 MB/s ±20%

 Logical Blocks
 1,000,215,215

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

Features Pyrite 2.0; TRIM; L1.2

SSD 1TB 2280 PCIe NVMe

Value

Form Factor M.2 2280
Capacity 1TB
NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 2200 MB/s ±20%

 Maximum Sequential Write
 1600 MB/s ±20%

 Logical Blocks
 2,000,409,264

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

Features Pyrite 2.0; TRIM; L1.2



SSD 128GB 2230 PCIe NVMe Form Factor

Value

le Form Factor Capacity

128GB

M.2 2230

NAND Type TLC

 Height
 0.09 in (2.3 mm)

 Width
 0.87 in (22 mm)

 Interface
 PCIe NVMe Gen4X4

 Maximum Sequential Read
 1800 MB/s ±20%

 Maximum Sequential Write
 800 MB/s ±20%

 Logical Blocks
 250,069,680

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

Features Pyrite 2.0; TRIM; L1.2



NETWORKING/COMMUNICATIONS

Realtek RTL8852BE-VS 802.11ax 1x1 Wi-Fi 6+ Bluetooth5.3 Wireless Card (802.11ax 1x1) ¹ **Wireless LAN Standards**

IEEE 802.11a
IEEE 802.11b
IEEE 802.11g
IEEE 802.11n
IEEE 802.11ac
IEEE 802.11ax
IEEE 802.11d
IEEE 802.11b
IEEE 802.11h
IEEE 802.11h

IEEE 802.11k

Interoperability

Wi-Fi certified modules

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

802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

802.11n: max 150Mbps
802.11ac: max 433Mbps
802.11ax: max 600Mbps

Modulation

Direct Sequence Spread Spectrum

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

Security²

• IEEE and WiFi certified 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 certificationWPA3 certificationIEEE 802.11iWAPI

• EAP

Network Architecture

Ad-hoc (Peer to Peer)

Models

Infrastructure (Access Point Required)

Roaming

IEEE 802.11 compliant roaming between access points

Output Power³

802.11b: +17dBm minimum802.11g: +16dBm minimum

• 802.11a : +17dBm minimum

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

• 802.11ax HE80(5GHz): +10dBm minimum

Power Consumption • Transmit mode :2.5 W

• Receive mode: 2 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: -84dBm maximum
802.11ac, MCS9: -59dBm maximum

802.11ax, MCS11(HE40): -57dBm maximum
 802.11ax, MCS11(HE80): -54dBm maximum

Antenna type High efficiency antenna.

One embedded dual band 2.4/5 GHz antenna is provided to the card to support WLAN MIMO communications and Bluetooth communications

Form Factor PCI-Express M.2 MiniCard

Dimensions Type 2230: 2.3 x 22.0 x 30.0 mm

 Weight
 Type 2230: 2.8g

 Operating Voltage
 3.3v +/- 9%

Temperature Operating 14° to 158° F (-10° to 70° C)

Non-operating -40° to 176° F (-40° to 80° C)

Humidity Operating 10% to 90% (non-condensing)

Non-operating 5% to 95% (non-condensing)

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 OFF – Radio ON

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

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



Technical Specifications

Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps

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

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

a maximum transmit power of + 4 dBm for BR and EDR.

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. 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).

Intel Wi-Fi 6 AX201 +	Wireless LAN Standards	IEEE 802.11a
Bluetooth5.2 Wireless		IEEE 802.11b
Card (802.11ax 2x2, non-		IEEE 802.11g
vPro, supporting gigabit		IEEE 802.11n
file transfer speeds) non-		IEEE 802.11ac
vPro		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	Wi-Fi certified
	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 Datas	5.525
	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 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
	Security ²	• IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only
		• AES-CCMP: 128 bit in hardware



• 802.1x authentication

• WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.

WPA2 certification

WPA3 certification

• IEEE 802.11i

WAPI

Network Architecture

Models

Ad-hoc (Peer to Peer)

Infrastructure (Access Point Required)

Roaming

IEEE 802.11 compliant roaming between access points

Output Power³

802.11b: +17dBm minimum
802.11g: +16dBm minimum
802.11a: +17dBm minimum

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

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)

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

Connected 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



Technical Specifications

2. Type 1216: 1.67 x 12.0 x 16.0 mm

Weight 1. Type 2230 : 2.8g

2. Type 1216: 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)

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 OFF – Radio ON

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

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Signaling Data Rate Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps

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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.

Realtek RTL8111HSH 10/100/1000 Integrated NIC Data rates supported

Manageability

10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-

30)

1000 Mbit/s operation (1000BASE-T; IEEE 802.3ab; IEEE 8023 clauses 40)

Auto-Negotiation (Automatic Speed Selection)

Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100

Mbit/s

Power Management ACPI compliant – multiple power modes

Situation-sensitive features reduce power consumption
Advanced link down power saving for reducing link down power

consumption

TCP/IP/UDP Checksum Offload (configurable)

Protocol Offload (ARP & NS)

Performance Features Large send offload and Giant send offload

Receiving Side Scaling Jumbo Frame 9K

Wake-on-LAN from standby and hibernation (Magic Packet and Microsoft Wake-Up Frame); Wake-on-LAN from off (Magic Packet

only)

PXE 2.1 Remote Boot

Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB

(802.3x, clause 30))

Comprehensive diagnostic and configuration software suite

Virtual Cable Doctor for Ethernet cable status

Management Interface Auto MDI/MDIX Crossover cable detection



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

HP 45W 4.5 mm nPFC Right Angle Smart (3-pin) AC Power Adapter Cupid II

Dimensions 3.74 x 1.772 x 1.043 in (9.5x4.5x2.65cm)

Weight 170g(+/-10g) **Input** 100 to 240 VAC

Input Efficiency 87.74 % at 115 Vac and 88.4 % at 230 Vac

Input frequency range 47 ~ 63Hz

Input AC current Max. 1.4 A at 90 Vac

Output Output power 45W

DC output 5V/9V/12V/15V

Hold-up time 100% load 5ms at 115 Vac input/80% load

10ms at 115 Vac input

Output current limit < 8.0A

Connector 4.5mm Barrel Type

Environmental Design Operating

temperature

32° F to 95° F (0° to 35° C)

Non-operating (storage)

 temperature
 -4° F to 185° F (-20° to 85° C)

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

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

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

Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018,

EN62368-1:2014+A11, UL62368-1

Agency approvals - C-UL-US, TUV/GS, EN55032 Class B, FCC Class B.

CISPR32 Class B, CCC and CECP, BIS, UKCA DoC

HP 65W 4.5 mm nPFC Right Angle Smart (3-pin) **AC Power Adapter EM II**

4.016 x 2.165 x 1.181 in (10.2x5.5x3cm) Dimensions

Weight 250q(+/-10q) 100 to 240 VAC Input

> **Input Efficiency** 88 % at 115 Vac and 89 % at 230Vac

Input frequency range 47-63Hz

Input AC current Max. 1.7 A at 90 Vac

Output **Output power** 65W

> DC output 19.5V

Hold-up time 100% load 5ms at 115 Vac input/80% load

10ms at 115 Vac input

Output current limit <11.0A

Connector 4.5mm Barrel Type

Environmental Design Operating

temperature 32° F to 95° F (0° to 35° C)

Non-operating (storage)

temperature -4° F to 185° F (-20° to 85° C) Altitude 0 to 16.400 ft (0 to 5000m)

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

EMI and Safety Certifications

CE Mark - full compliance with LVD and EMC directives

Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018,

EN62368-1:2014+A11, UL62368-1

Agency approvals - C-UL-US, TUV/GS, EN55032 Class B, FCC Class B,

CISPR32 Class B, CCC and CECP, BIS, UKCA DoC

AC Adapter 65 Watt nPFC Weight Standard USB type C Straight 1.8m

Input

Output

220g(+/-10g) (Not including power cord. Power cord varies by country.)

100-240Vac

Input Efficiency 81.50% min at 115 Vac/ 230 Vac @5.00V

> 86.70% min at 115 Vac/ 230 Vac @9.00V 88.00% min at 115 Vac/ 230 Vac @12.00V 89.00% min at 115 Vac/ 230 Vac @15.00V 89.00% min at 115 Vac/ 230 Vac @20.00V

Input frequency range 47-63Hz

Input AC current Max. 1.6 A at 90 Vac

Output power 5V/15W

9V/27W 12V/60W 15V/65W 20V/65W

DC output 5V/9V/12V/15V/20V

Hold-up time 100% load 5ms at 115 Vac input

Output current limit < 8.0A **AC Inlet Type C6**

DC Cable Connector USB type C

DC Cable Material PVC

Connector C6

Environmental Design Operating

temperature

32° F to 95° F (0° to 35° C)

Non-operating (storage)

temperature -4° F to 185° F (-20° to 85° C)
Altitude 0 to 16,400 ft (0 to 5000m)

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

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

Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018,

EN62368-1:2014+A11, UL 62368-1

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 RCM, BIS, BSMI, UAE, UKCA DoC

HP 65W Standard USB-C Halogen Free Straight AC Power Adapter Ceto+ Weight Input

Output

220g(+/-10g) (Not including power cord. Power cord varies by country.)

100-240Vac

Input Efficiency 81.50% min at 115 Vac/ 230 Vac @5.00V

86.70% min at 115 Vac/ 230 Vac @9.00V 88.00% min at 115 Vac/ 230 Vac @12.00V 89.00% min at 115 Vac/ 230 Vac @15.00V 89.00% min at 115 Vac/ 230 Vac @20.00V

Input frequency range 47-63Hz

Input AC current Max. 1.6 A at 90 Vac

Output power 5V/15W

9V/27W 12V/60W 15V/65W 20V/65W

DC output 5V/9V/12V/15V/20V

Hold-up time 100% load 5ms at 115 Vac input

Output current limit < 8.0A
AC Inlet Type C6

DC Cable Connector USB type C **DC Cable Material** Halogen Free

Connector C6

Environmental Design

Operating temperature

32° F to 95° F (0° to 35° C)

Non-operating (storage)

temperature -4° F to 185° F (-20° to 85° C)
Altitude 0 to 16,400 ft (0 to 5000m)

Humidity 20% to 95%

Storage Humidity 10% to 95%

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

Worldwide safety standards - IEC60950-1 and IEC62368-1: 2018,

EN62368-1:2014+A11, UL 62368-1

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 RCM, BIS, BSMI, UAE, UKCA DoC

Battery HW 3 Cell WHr 41 Weight Long Life -PR+PL Fast Cells/Ty Charge

Weight 175g

Cells/Type 3S1P / Polymer cell

 Energy
 Voltage
 11.34V / 11.28V

 Amp-hour capacity
 3620mAh / 4635mAh

Watt-hour capacity¹ 41Whr

Temperature Operating (Charging) 32° to 113° F (0° to 45° C) (Charge Initial

Temperature)

32° to 122° F (0° to 50° C) (Continuous

Charging)

Operating (Discharging) 14° to 140° F (-10° to 60° C)

Optional Travel Battery N

Available

AUDIO

HD Stereo Codec Realtek ALC3247

Audio I/O Ports One Headset Combo-Jack connector support CTIA spec
Internal Speaker Amplifier 2W class D stereo amplifier for the internal speaker only

Multi-streaming Capable 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.

Sampling 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.

Wavetable Syntheses Yes - Uses OS soft wavetable

Analog Audio Yes # of Channels on Line-Out 0 Internal Speaker Yes

FINGERPRINT READER

Sensor vendor Elan CP1515B-HP015U

Sensor type Capacitive

DPI resolution 508 DPI

Scan area 80 x 80 pixels

False Rejection Rate RR=≤ 2% @ 1:50K FAR

Mobile Voltage Operation 2.7V to 3.6V

Operating Temperature $-4^{\circ} - 176^{\circ}F (-20^{\circ}C \sim 80^{\circ}C)$

Current Consumption 50mA peak

Image

Low Latency Wait For 900 uA

Finger

Capture RateCapture Rate: 20 cm/secESD ResistanceIEC 61000-4-2 4B (+15KV)Detection Matrix508 dpi / 4 x 4 mm sensor area

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

DOCKING (Sold Separately)

Docking station model #1

Total number of supported displays

(incl. the notebook display)

Max. resolutions supported

HP USB-C Dock G5

Multi-Function Mode: (2) 5k @ 30Hz and (1) 4k UHD @ 30Hz on any port

High-Resolution Mode: (2) 5k @ 60Hz on DisplayPort ports and (1) 4k UHD @

60Hz on HDMI port

Dock Connectors 1x HDMI 2.0, 2x DisplayPort 1.4

3

Technical limitations Maximum resolution and display support is dependent on the maximum

capability of the notebook.

Highest resolution with dual displays is two 8K@ 60Hz host in High

Resolution mode.

Three maximum displays supported are two 5K@ 30 Hz on DP ports plus one 4K

UHD@ 30 Hz on HDMI in Multi-function mode

The highest resolution for a non-Thunderbolt host in Multi-function mode is a

single 5K dual cable (using both DP ports) + (1) 4K on HDMI port

Docking station model #2

Total number of supported displays

(incl. the notebook display)

Max. resolutions supported

HP USB-C/A G2 Universal Dock

Multi-Function Mode: (3) 4K DCI @ 30Hz on any port

High-Resolution Mode: (3) 4K DCI @ 30Hz on any port

Dock Connectors 1x HDMI 2.0, 2x DisplayPort 1.2

Technical limitations Maximum resolution and display support is dependent on the maximum

capability of the notebook.

The best resolution for dual or triple displays is 4K UHD@ 60Hz.

For use with the USB-A adapter that comes in the box the maximum number of displays supported is (2) 4k x 60 Hz on the Type-A Gen 1 connection from the

host.

3



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

Туре	Description	Part Number
Cases	HP Prelude 15.6 Backpack (Bulk 15) (Edo) - New AMO	1E7D6A6
	HP Prelude Pro Recycled 15.6 Backpack (Montrose) - New AMO	1X644AA,1X644ET, 1X644UT
	HP Prelude Pro Recycled 15.6 Top Load (Midtown) - New AMO	1X645AA,1X645ET, 1X645UT
	HP Prelude G2 15.6 Top Load (Gulfton) - New AMO	1E7D7AA,2Z8P4AA, 50P31AA
	HP Prelude G2 15.6 Backpack (Edo) - New AMO	1E7D6AA,2Z8P3AA, 50P32AA
	HP Renew Business 17.3 Laptop Backpack (Negotium 17" BP) - New AMO	3E2U5AA,3E2U5ET, 3E2U5UT
	HP Renew Business 17.3 Laptop Bag (Negotium 17" TL) - New AMO	3E2U6AA,3E2U6UT
	HP Renew Business 15.6 Laptop Bag (Negotium 15" TL) - New AMO	3E5F8AA,3E5F8ET, 3E5F8UT
	HP Renew Executive 16 Laptop Backpack (Exsequi - Bezo) - New AMO	6B8Y1AA
	HP Renew Executive 16 Laptop Bag (Exsequi-Musk) - New AMO	6B8Y2AA
	HP Travel 25L 15.6 Iron Gray Laptop Backpack (Patty) - New AMO	6B8U4AA,6H2D8AA
	HP Travel 18L 15.6 Iron Gray Laptop Backpack (Lucile) - New AMO	6B8U6AA,6H2D9AA
	HP 215 15.6 Laptop Backpack (Tyranno) - New AMO	35L98AA#ACJ
	HP 315 15.6 Laptop Backpack (Brachio) - New AMO	35L97AA#ACJ
	HP 235 15.6 Laptop Backpack (Dilopho) - New AMO	35M00AA#ACJ
	HP 225 15.6 Laptop Backpack (Spino) - New AMO	2P7U6AA#ACJ
	HP 115 15.6 Laptop Backpack (Stego) - New AMO	8DV45AA#ACJ
	HP Campus Green Backpack (Patrick) - New AMO	7J595AA,7K0E4AA
	HP Campus Blue Backpack (Patrick) - New AMO	7J596AA,7K0E5AA
Docking	HP USB-C G5 Dock	5TW10AA
	HP USB-C/A G2 Universal Dock	5TW13AA



Change Log

Date of change:	Version History:		Description of change:
19 April, 2024	V1 to V2	Updated	Display Section
24 April, 2024	V2 to V3	Updated	Display Section
10 May, 2024	V3 to V4	Added	Environmental Section
June 10, 2024	V4 to V5	Added	System unit Section
June 11, 2024	V5 to V6	Added	Display Section
June 17, 2024	V6 to V7	Added	Graphics Section
August 9, 2024	V7 to V8	Updated	Weights & Dimensions Section

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