Overview

Overview

Front

1.	Internal microphones (2)	6.	Glass ClickPad^{TM}
2.	Webcam	7.	Power button
3.	Touch or Non-Touch 12.5" diagonal display	8.	Collaboration keys
4.	Wireless On/Off button		
5.	USB Type-C with Thunderbolt support		

Overview

Keyboard

1.   Collaboration keys

Left

1.   Headphone/microphone combo

Overview

Back

Overview

At a Glance

- Preinstalled Windows 10 versions
- Choice of 6th Generation Intel® Core m processors
- The World's thinnest and lightest business-class notebook (Based on HP's internal analysis of business class notebooks as of January 2016 with >1 million unit annual sales having preinstalled encryption, authentication, malware protection and BIOS-level protection)
- Designed to pass MIL STD testing[1]
- Weight starting less than 1 kg (2.09 lbs) for Non-Touch or 1.09 kg (2.41 lbs) for Touch
- Engage teams, clients, and vendors with the crystal-clear audio by Bang & Olufsen and the high-performance HP Premium Collaboration Keyboard
- Large ClickPad with gestures support
- Enhanced security features including TPM 1.2/2.0 Embedded Security Chip
- Choose from Touch or Non-Touch 12.5" diagonal displays
- 720p webcam with dual array microphone and four speakers for video conferencing
- High-performance components and long battery life handle demanding applications
- Battery life up to 10 hours
- Stay productive with essential USB-C ports for charging mobile devices and more
- Choice of solid state drives up to 512 GB
- Wireless LAN (WLAN) to keep you connected

  1. Testing was not intended to demonstrate fitness for Department of Defense contracts requirements or for military use.

  Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any 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.

Features

PRODUCT NAME

HP EliteBook Folio G1 Notebook PC

OPERATING SYSTEM

Preinstalled	Windows 10 Pro 64[1]
	Windows 10 Home 64 High End[1]
Web-only support	Windows 10 Enterprise 64[1]
	Windows 8.1 Enterprise 64[2]
	Windows 8.1 Pro 64[2]
	Windows 7 Enterprise 64[2]
	Windows 7 Professional 64[2]

1.   Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://http://www.microsoft.com.

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. See http://http://www.microsoft.com.

PROCESSORS

Intel® Core m7-6Y75 with Intel® HD Graphics 515 (1.2 GHz, up to 3.1 GHz with Intel®Turbo Boost Technology, 4 MB cache, 2 cores) [1,2]
Intel® Core m5-6Y57 with Intel® HD Graphics 515 (1.1 GHz, up to 2.8 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores) [1,2]
Intel® Core m5-6Y54 with Intel® HD Graphics 515 (1.1 GHz, up to 2.7 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores) [1]
Intel® Core m3-6Y30 with Intel® HD Graphics 515 (900 MHz, up to 2.2 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores) [1]

1. 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 is not a measurement of higher performance.
2. Some vPro functionality of this technology, such as Intel® Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Microsoft Windows required.

CHIPSET

	Integrated with processor

GRAPHICS

Integrated:
Intel® HD[1] Graphics 515
1. HD content required to view HD images.

Features

DISPLAY

Internal
Non-Touch
12.5" diagonal FHD UWVA ultra slim LED-backlit (1920 x 1080)[1]
12.5" diagonal FHD UWVA anti-glare ultra slim LED-backlit (1920 x 1080) Light weight[1]

Touch
12.5" diagonal FHD UWVA ultra slim LED-backlit (1920 x 1080) Touch[1]
12.5" diagonal UHD UWVA ultra-slim LED-backlit (3840 x 2160)Touch[1]
Optional Docking Solutions
HP Elite Thunderbolt 3 Dock[2]
HP Executive Travel Hub[2]

1. HD content required to view HD images.
2. Sold separately or as an optional feature.
NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

STORAGE AND DRIVES

Primary Storage Bay
Supports M.2 SS 2280 Solid State Drives

Solid State Drive[1]
128 GB SATA-3 SS TLC
512 GB SATA-3 SS TLC
240 GB SATA-3 SS MLC
256 GB PCIe Gen3x4 SS NVMe SS MLC
256 GB SATA-3 SS MLC (Opal 2)

1. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 7 and 10) is reserved for system recovery software.

MEMORY

Standard
Memory soldered down
Supports Dual Channel Memory
LPDDR3 1866 (Transfer rates up to 1866 MT/s.)
8 GB LPDDR3-1866 SDRAM[1]
Maximum
8 GB

1. Internal component upgrades to memory are not available after factory configuration.

NETWORKING/COMMUNICATIONS

Features

Wireless LAN (WLAN)[1]
Intel® 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 Combo

1. Wireless access point ad internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.

NOTE: Internal component upgrades to connectivity are not available after factory configuration.

AUDIO/MULTIMEDIA

Audio
Audio by Bang & Olufsen
Integrated dual-microphone array
4 Integrated premium stereo speakers
Webcam
720p HD webcam [1],

1.   HD content required to view HD images.

KEYBOARDS/POINTING DEVICES & FUNCTION KEYS

Keyboard
Backlit
DuraKeys

Pointing Device
Glass ClickPad
Taps enabled as default
Gestures enabled by default
On/Off LED

Buttons and Function Keys
F1 - Call Answer
F2 - Call Decline / End
F3 - Calendar
F4 - Mic mute
F5 - Speaker Mute
F6 - Vol Down
F7 - Vol Up
F8 - Display Switch
F9 - Backlight Keyboard
F10 - Bright Down
F11 - Bright Up
F12 - Wireless On/Off

SOFTWARE AND SECURITY

Preinstalled Software with Windows Operating System
  BIOS

HP BIOSphere[1]

HP Sure Start with Dynamic Protection

Features

HP DriveLock | HP Automatic DriveLock
HP BIOS Protection[2]
BIOS Update via Network
Master Boot Record Security
Power On Authentication
HP SpareKey[16]
Pre-Boot Security
Secure Erase[3]
Hybrid Boot
Measure Boot
Secure Boot
Absolute Persistence Module[4]
Pre-boot Authentication

Multi Media

Cyberlink Power DVD, BD
Cyberlink Power2Go (Secure Burn)

Communication

HP GPS and Location (Windows 7 only)[5]
HP Connection Manager with support for HP Mobile Connect Pro (Windows 7 only)[6]
HP Mobile Connect Pro (Windows 8.1 and Windows 10 only)[6]
Intel® Wireless Display (WiDi) Software for Windows[7]
Native Miracast Support[8]

HP Value Add Software

HP 3D DriveGuard

HP ePrint Driver[9]

HP Hotkey

HP Recovery Manager

HP Recovery Disc Creator

HP Registration App (Windows 8.1 only)

HP Support Assistant

HP Noise Reduction Software

3rd Party

Foxit PhantomPDF Express for HP

Microsoft Products

Buy Office

Bing Search

Skype[10]

Manageability

HP Driver Packs[11]

HP SoftPaq Download Manager (SDM)

HP System Software Manager (SSM)[11]

HP BIOS Config Utility (BCU)[11]

HP Client Catalog[11]

HP CIK for Microsoft SCCM[11]

HP Image Assistant[11]

LANDESK Management[12]

Features

For more information on HP Client Management Solutions refer to: http://www.hp.com/go/clientmanagement.

Client Security Software

HP Drive Encryption[13]

HP Client Security

- HP Security Manager (including Credential Manager and Password Manager)
- HP Drive Lock
- HP Fingerprint Sensor
- HP Password Manager
- Absolute Persistence Module
- Power On Authentication

Microsoft Security Essentials[14]

Microsoft Defender[14]

Security

TPM 1.2/2.0 (Infineon, soldered down)[15]

- Common criteria EAL4+ certified

1. Available only on business PCs with HP BIOS.
2. May require a manual recovery step if all copies of BIOS are compromised or deleted
3. For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.
4. Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: http://www.absolute.com/company/legal/agreements/ computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
5. GPS access requires an unobstructed path to multiple satellites. Performance may be affected if/when used inside of buildings, bridges or heavily congested metropolitan areas. Requires separately purchased GPS navigation software available from multiple GPS applications.
6. HP Mobile Connect Pro is only available on preconfigured devices with WWAN. For geographic availability refer to http://www.hp.com/go/mobileconnect
7 Integrated Intel Wi-Di feature is available on select configurations only and requires separately purchased projector, TV or computer monitor with an integrated or external Wi-Di receiver. External Wi-Di receivers connect to the projector, TV or computer monitor via a standard HDMI cable, also sold separately.
8. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast
9. Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see http://www.hp.com/go/eprintcenter). Requires optional broadband module. Broadband use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary.
10. Skype is not offered in China.
11. Not preinstalled, however available for download at hp.com/go/clientmanagement
12. Subscription required.
13. Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access.
14. Opt in and internet connection required for updates.
15. This product ships with TPM 1.2 with option to upgrade to TPM 2.0.
Upgrade utility is planned to be available by February 2016 via HP Customer Support.

Features

        16. Requires initial user set up

POWER

Power Supply
HP 45 W Smart USB Type-C AC adapter
Power cord included is 1.8 m (+/- 0.1 m) or 1.0 m (+/- 0.1 m).
Primary Battery
HP Long Life 4-cell, 38 WHr Li-ion polymer

Battery Life
 Up to 10 hours[1]

System Standby Time
TBD

1. Windows 10/MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See http://www.bapco.com for additional details.

WEIGHTS & DIMENSIONS

Weight
Non-Touch
Starting at less than 1 kg (2.09 lbs) [1]
(Lightest panel, 38 WHr battery, 8 GB, 2128 GB SSD, RGB Camera, WLAN + Bluetooth®)
Touch
Starting at 1.09 kg (2.41 lbs)[1]
(Lightest panel (with touch), 38 WHr battery, 8 GB, 128 GB SSD, RGB Camera, WLAN + Bluetooth®)
Dimensions (w x d x h)
Non-Touch
11.5 x 8.23 x 0.49 in[2]
29.2 x 20.9 x 1.24 cm[2]
Touch
11.5 x 8.23 x 0.49 in[2]
29.2 x 20.9 x 1.24 cm[2]

1. Weight varies by configuration and components.
2. Height varies depending upon where on the notebook the measurement is made.

PORTS/SLOTS

Ports
(2) USB Type-C   ports with Thunderbolt support (docking, charging and USB 3.1)
(1) Headphone / Microphone combo jack
(1) Power connector
(1) Ethernet via accessory dongle (optional)[1]

1. Sold separately or as an optional feature.

SERVICE AND SUPPORT

Features

HP Services offers 3-year, 1-year and 90 day limited warranty options depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. On-site service and extended coverage is also available. HP Care Pack Services[1,2] 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.

1. Sold separately or as an optional feature.
2. 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. Consult the HP Customer Support Center for details.
http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp

Networking/communications

Intel® 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 Combo

Wireless LAN Standards	IEEE 802.11a
	IEEE 802.11b
	IEEE 802.11g
	IEEE 802.11n
	IEEE 802.11ac
Interoperability	Wi-Fi certified
Frequency Band	802.11b/g/n

- 2.402 - 2.482 GHz
  Note:
  The FCC has declared as of January 1, 2015 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.

802.11a/n

- 4.9 - 4.95 GHz (Japan)
- 5.15 - 5.25 GHz
- 5.25 - 5.35 GHz
- 5.47 - 5.725 GHz
- 5.825 - 5.850 GHz

Note: Indonesia no support this band)

Data Rates	- 802.11b: 1, 2, 5.5, 11 Mbps
	- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	- 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
	- 802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz)
	- 802.11ac : MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40MHz, and 80MHz)
Modulation	Direct Sequence Spread Spectrum
	BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM

Security[1]
- IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only
- AES-CCMP: 128 bit in hardware
- 802.1x authentication
- WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.
- WPA2 certification
- IEEE 802.11i
- Cisco Certified Extensions, all versions through CCX4 and CCX Lite
- WAPI

Network Architecture Models	Ad-hoc (Peer to Peer)
	Infrastructure (Access Point Required)
Roaming	IEEE 802.11 compliant roaming between access points
Output Power[2]	- 802.11b: +16dBm minimum
	- 802.11g: +14dBm minimum
	- 802.11a: +14dBm minimum
	- 802.11n HT20(2.4GHz) : +14dBm minimum

Technical Specifications

- ~~802.11n~~ HT40(2.4GHz) : +12dBm minimum
- ~~802.11n~~ HT20(5GHz) : +14dBm minimum
- ~~802.11n~~ HT40(5GHz) : +12dBm minimum

Power Consumption	Transmit: 2.0 W (max) Receive: 1.6 W (max) Idle mode (PSP): 180 mW (WLAN Associated) Idle mode: 50 mW (WLAN unassociated) Connect Standby: 10 mW (WLAN+BT) Radio disabled: 5 mW
Power Management	ACPI and PCI Express compliant power management 802.11 compliant power saving mode
Receiver Sensitivity[3]	802.11b, 1Mbps : -94dBm maximum 802.11b, 11Mbps : -86dBm maximum 802.11g, 6Mbps : -88dBm maximum 802.11g, 54Mbps : -74dBm maximum 802.11a, 6Mbps : -88dBm maximum 802.11a, 54Mbps : -74dBm maximum 802.11n, MCS07 : -69dBm maximum 802.11n, MCS15 : -66dBm maximum 802.11ac, 1SS, MCS-0 : -86dBm maximum 802.11ac, 1SS, MCS-9 : -61dBm maximum 802.11ac, 2SS, MCS-0 : -83dBm maximum 802.11ac, 2SS, MCS-9 : -58dBm maximum
Antenna type	High efficiency antenna with spatial diversity, mounted in the display enclosure Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications
Form Factor	PCI-Express M.2 MiniCard
Dimensions	Type 2230 : 2.3 x 22.0 x 30.0 mm Or Type 1630 : 2.3 x 16.0 x 30.0 mm
Weight	Type 2230 : 2.8g Or Type 1630 : 2g
Operating Voltage	3.3v +/- 9%

Temperature	Operating	14° to 158° F (-10° to 70° C)
	Non-operating	-40° to 176° F (-40° to 80° C)
Humidity	Operating	10% to 90% (non-condensing)
	Non-operating	5% to 95% (non-condensing)
Altitude	Operating	0 to 10,000 ft (3,048 m)
	Non-operating	0 to 50,000 ft (15,240 m)
LED Activity	LED Amber - Radio OFF; LED White - Radio ON	

1. Check latest software/driver release for updates on supported security features.
2. Maximum output power may vary by country according to local regulations.
3. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

Technical Specifications

HP Integrated Module with Bluetooth 4.0/4.1/4.2 Wireless Technology

Bluetooth Specification	4.0/4.1/4.2 Compliant
Frequency Band	2402 to 2480 MHz
Number of Available Channels	Legacy : 0~79 (1 MHz/CH)
	BLE : 0~39 (2 MHz/CH)
Data Rates and Throughput	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 + 4 dBm for BR and EDR.

Receiver Sensitivity Legacy

Modulation	0.01% BER	0.001% BER
GFSK	-80 dBm	-70 dBm
π/4-DQPSK	-80 dBm	-70 dBm
8DPSK	-80 dBm	-70 dBm

Power Consumption	Peak (Tx) 330 mW
	Peak (Rx) 230 mW
	Selective Suspend 17 mW
Range	Legacy Up to 33 ft (10 m)
	BLE Up to 99 ft (30 m)
Electrical Interface	USB 2.0 compliant
Bluetooth Software Supported	Microsoft Windows Bluetooth Software
Link Topology	
Electrical Interface	Point to Point, Multipoint Pico Nets up to 7 slaves
Bluetooth Software Supported Security	Full support of Bluetooth Security Provisions
Power Management	Microsoft Windows ACPI, and USB Bus Support
Certifications	Self-configurable to optimize power conservation in all operating modes, including Standby, Hold, Park, and Sniff
Security	All necessary regulatory approvals for supported countries, including:
Certifications	FCC (47 CFR) Part 15C, Section 15.247 & 15.249
Bluetooth Profiles Supported	
Power Management	ETS 300 328, ETS 300 826
Certifications	Low Voltage Directive IEC950
	UL, CSA, and CE Mark
	Serial Port Profile (SPP)[1]
	Service Discovery Application Profile (SDAP)
	Dial-Up Networking (DUN)[1,2]
	Generic Object Exchange Profile (GOEP)[1,2]
	Object Push Profile (OPP)[1,2]
Certifications	Hard Copy Cable Replacement (HCRP)[1,2]
Bluetooth Profiles Supported	Personal Area Networking Profile (PAN)[1,2]
	Human Interface Device Profile (HID)[1,2]
	Hands Free Profile (HFP)
	Advanced Audio Distribution Profile (A2DP)
	Audio Video Remote Control Profile (AVRCP)
Bluetooth V4.1/V4.2 support feature	V4.1: ESR5/6/7 compliant
	V4.2: ESR8 compliant, LE Secure Connection - Basic.

Technical Specifications

Environmental

TBD

Country of Origin

China

?

Type	Description	Part number
Cases	HP Business Slim Top Load	H5M91AA
	HP Business Backpack	H5M90AA
Docking	HP Elite Thunderbolt 3 Dock	P5Q54AA#xxx
	HP USB-C Travel Dock	T0K29AA#xxx
	HP Display and Notebook Stand II	E8G00AA#xxx
Mice	HP Touch To Pair Mouse	H6E52AA
	HP Slim Bluetooth Mouse	F3J92AA
	HP Ultrathin Wireless Mouse	L9V78AA
Adapter	USB-C to USB 3.0	N2Z63AA
	USB-C to 4.5mm	N2Z65AA
	HP USB-C to VGA Adapter	N9K76AA
	HP USB-C to HDMI Adapter	N9K77AA
	HP USB-C to DisplayPort Adapter	N9K78AA
Power - Adapter		
Displays	HP EliteDisplay S270c	K1M38AA
	HP EliteDisplay E272q	M1P04AA
	HP EliteDisplay E240c	M1P00AA
	HP EliteDisplay S140u	G8R65AA

Summary of Changes

Date of change:	Version History:		Description of change:
	Version 1 to 2		