

Data sheet

HP Pro x2 612 G1



QEB2016-A

Enjoy the sleek design of the 2-in-1 HP Pro x2 612 G1 with Intel® Core™ i5¹ performance that converts to a tablet for full speed on the go. Detach the HP Pro x2 612 G1 Power Keyboard to work on a business ready 12.5-inch diagonal tablet packed with security features.



Designed for business.

Show off the sleek design of the HP Pro x2 612 G1 2-in-1 detachable with a large 12.5-inch diagonal FHD screen for content creation. The tablet features a USB 3.0 port for data transfer and a high performance HP Pro x2 612 G1 Wacom Pen with holder.

High performance 2-in-1.

Replace your traditional notebook with the HP Pro x2 612 G1. 2-in-1 solutions let you perform at your best with a 4th generation Intel® Core™ i5 processor,¹ fast solid state drives, and longer battery life when used with the HP Pro x2 612 G1 Power Keyboard.

Featuring:

- Enjoy smooth and precise interaction with your tablet using the HP Pro x2 612 G1 Wacom Pen with high performance pressure sensitivity and smart palm rejection technology.
- Functions as a full notebook by utilizing two USB 3.0 ports, DisplayPort, VGA and RJ45 on the HP Pro x2 612 G1 Power Keyboard. The Power Keyboard also supports enterprise docking with a side connector for the optional HP UltraSlim Docking Station.²
- Passed MIL-STD 810G tests for drop, functional shock, vibration, dust, humidity, altitude, high temperature, and low temperature.³
- The HP Pro x2 612 G1 Travel Keyboard² helps you travel light and stay productive on the go.
- Protect your critical data with TPM and a Smart Card Reader.
- HP BIOSphere helps keep mission-critical data and systems protected with customizable security.⁴
- Get the stability of managed lifecycle transitions and global series support.
- Get the right options for the detachable that best fits your business needs.



Specifications

HP Pro x2 612 G1

J1V56AV

Operating System ⁵	Windows 10 Enterprise 64-bit Preloaded with 64-bit SDC 5.x with Office Suite (Default)
Processor ¹	Intel® Core™ i5-4302Y (2 Cores/ 4 Threads, 1.6 GHz base/2 GHz Max Turbo Frequency)
Memory ⁶	4 GB DDR3L SDRAM (1600 MHz) On-board Memory; 2 slots, Max Capacity: 8 GB
Display	12.5-inch diagonal LED FHD ⁸ ultra wide-viewing angle Touchscreen display (1920x1080); 16:9 Aspect Ratio; 300 nits
Storage ⁷	256 GB M.2 Self Encrypting Drive (SED) Solid State Drive SATA 6.0 Gb/s; FIPS-compliant SED, AES-256 encryption engine. This SED follows the TCG/Opal specification for trusted peripherals.
Graphics	Integrated Intel® HD ⁹ Graphics 4200 with 1 VGA and 1 DisplayPort; Included DisplayPort M to DVI F Adapter
Wireless Networking ^{9,10}	Intel® Dual Band Wireless-AC 7260 802.11 ac (2x2) WiFi + Bluetooth® 4.0 Combo Adaptor where Wireless LAN and Bluetooth® can be independently disabled in the BIOS.
Wired Networking	Integrated Intel® I218LM Gigabit Network Connection
Power Supply	Dual voltage (110-240V 50/60 Hz) autosensing; 45W HP Smart adapter (RC, non-PFC, 4.5-mm)
Warranty	4 year next business day on-site with storage media retention
Energy Efficiency Compliance	EPEAT® Gold registered ¹¹
Security	Trusted Computing Group certified Trusted Platform Module (TPM) 1.2- Infineon Infineon SLB9635TT1.2, BIOS protection as identified in NIST SP 800-147, BIOS settings comply; Integrated Alcor Micro Corp USB Smart Card Reader AU9560 FIPS 201 compliant
Input	Touchscreen: Multi-touch enabled (10-finger support) with Windows 10, (2-touch points supported with Windows 7); Input Device: Wacom Pen with Digitizer
Battery	Primary Battery (Tablet): HP 4-cell polymer (29.3 WHr) Primary Battery (Power Keyboard Base): HP 2-cell polymer (25 WHr)
Audio	HD Audio with DTS Sound+™; Realtek ALC3228; Dual speakers (front facing); Dual microphone array with echo cancellation, noise suppression; Formats: MP3, AAC, AAC+, EAAC+ OGG, MIDI; Headphone/Line-out and Mic-in (combo)
Webcam	Two integrated webcams: (2.0 MP/1080p (front facing); 5 MP /1080p (rear facing))
I/O Ports and Connectors	Power Keyboard: (1) USB 3.0; (1) USB 3.0 Charging Port; (1) DisplayPort 1.2; (1) VGA ; (1) Stereo headphone-out/mic-in combo jack; (1) Docking connector to tablet; (1) Side docking connector; (1) 4.5mm Multi-Pin AC Port; (1) RJ-45 (Ethernet) Tablet: (1) USB 3.0; (1) Stereo headphone-out/mic-in combo jack; (1) Docking connector to base; (1) Smart Card Reader; (1) 4.5mm Multi-Pin AC Port, Fingerprint Reader Expansion Slots : SD card reader on the power keyboard supports SD, SDHC, SDXC Micro SIM on the tablet: Micro SD card reader on the tablet supports SD, SDHC, SDXC
Dimensions (H x W x D)	Tablet with Power Keyboard: 12.48 x 9.43 x 0.92 in Tablet only: 12.48 x 8.25 x 0.5 in
Weight	Tablet Only (Digitizer with Pen): 2.11 lbs; Power Keyboard Only: 2.16 lbs (Weight will vary by configuration.)

Options	Part Number	Description
	N3B55AV#ABA	Windows 7 Enterprise 64-bit (available through downgrade rights from Windows 10 Enterprise 64-bit) ¹² 64-bit SDC 3.x with Office suite

Options (continued)	Part Number	Description
	N3B53AV#ABA	OEM Windows 10 Pro 64-bit ⁵ (Non-Network Use Only) - USAF will allow system to be restored through restore partition that resides on hard drive. In the event of a hard drive failure, the USAF will allow restore media to be provided without customer requesting it.
	E5C22AV#ABA (Open Market) A927885	HP 2013 UltraSlim Docking Station - TAA Compliant (1) VGA and (1) DP connectors; 1st DisplayPort to DVI adapter included in base; 2nd DisplayPort M to DVI F Dongle to support second DVI monitor. 65W AC Power Port, RJ-45/Ethernet Pass thru, (3) USB 3.0 ports, (1) USB 3.0 Charging Port, (1) Line-in, (1) Line-out
	F3W14AA (Open Market)	HP Slim Ultrabook Professional Messenger Case
	J1V57AV	8 GB 1600MHZ DDR3L
	J1V21AV (Open Market)	DIB HP Slim Ultrabook Backpack
	G8X15AV#ABA (Open Market)	HP Pro x2 612 Travel Keyboard
	A929771 (Open Market)	External USB DVD/RW - U2-DVDRW-SL, Kanguru 8x DVD±RW Slim Drive (TAA Compliant); DVD R+/- 8X; DVD+RW 8X; DVD-RW 6X; CD-R 24X; CD-RW 24X.



- 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 Sold separately or as an optional feature.
- 3 Testing is not intended to demonstrate fitness for U.S. Department of Defense (DoD) contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage or damage under these test conditions requires an optional HP Accidental Damage Protection Care Pack.
- 4 HP BIOSphere features may vary depending on the PC platform & configuration
- 5 Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com>.
- 6 Maximum memory capacities assume Windows 64-bit operating systems. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.
- 7 For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 10) is reserved for system recovery software.
- 8 HD content required to view HD images.
- 9 Wireless is an optional add-on feature and requires wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
- 10 Mobile Broadband is an optional feature and requires factory configuration. Use 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. 4G LTE not available on all products, and in all regions.
- 11 EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
- 12 This system is preinstalled with Windows 7 Enterprise software and also comes with a license and media for Windows 10 Enterprise software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

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