ProductSheet
HP VR Backpack G2 (9YH05UT)

The wearable, versatile VR PC – optimized for a free-roam experience.

Unlock the potential of VR with a wearable PC optimized for free-roam environments. From location-based entertainment to immersive training to innovative design, pioneer new experiences and solutions using extreme power, packed into a compact wearable.

HP recommends Windows 11 Pro for business

NVIDIA GeForce™ graphics paired with Intel® Core™ processors let you fly through VR work. And with ISV-certification for demanding apps like VRED® and Revit®, workflow integration is seamless.
Super-smooth frame rates. Ultra-fast render times. The performance of NVIDIA GeForce™ graphics paired with Intel® Core™ processors lets you fly through VR workloads. And with ISV-certification for the most demanding applications like VRED® and Revit®, workflow integration is seamless.

We've optimized the design of our wearable PC for comfort and simplicity. With improved ergonomics, battery management and ease of movement, this is free-roam VR made easy.
Intuitive. Instinctive. Immersive. We've optimized the design of our wearable PC to make it even more comfortable and simple to use. With improved ergonomics, battery management and ease of movement, it's the most natural free-roam VR experience yet.

Accelerate VR work. Dock for desktop-quality development. Throw on the backpack for quick reviews and iteration. Host fully immersive end-user experiences. All with one hybrid PC.
Accelerate your VR work with this powerful hybrid PC. Dock for the full desktop PC experience to complete detailed design work. Untether to iterate at pace in free-roam review sessions and host fully immersive experiences.

Specifications

Operating system	Windows 10 Pro 64 – HP recommends Windows 10 Pro for business
Processor family	8th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-8850H (2.6 GHz base frequency, up to 4.3 GHz with Intel® Turbo Boost Technology, 9 MB L3 cache, 6 cores), vPro™
Chipset	Intel® QM370
Memory	32 GB DDR4-2666 SDRAM (2 x 16 GB)
Memory Slots	2 SODIMM
Internal Storage	256 GB PCIe® NVMe™ SSD
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce RTX™ 2080 (8 GB GDDR5 dedicated)
Graphics	Discrete
Graphics (integrated)	NVIDIA® GeForce® RTX 2080 (8 GB GDDR6 dedicated)
Audio	RealTek ALC3866-CG with Integrated DTS Headphone:X®
Minimum dimensions (W x D x H)	33.3 x 23.6 x 6.09 cm
Minimum dimensions (W x D x H)	13.11 x 9.29 x 2.39 in
Weight	Starting at 4.66 kg *(Weight includes Backpack plus the HP VR Backpack G2 harness and external batteries. Weight will vary by configuration.)*
Weight	Starting at 10.28 lb *(Weight includes Backpack plus the HP VR Backpack G2 harness and external batteries. Weight will vary by configuration.)*
Ports	1 headphone/microphone combo; 1 HMD power port; 1 Thunderbolt™ (USB Type-C™ connector); 2 USB 3.0; 2 mini DisplayPort™ 1.4
Expansion slots	1 M.2 PCIe 3 x1[6] *(For WLAN/BT M.2 module only)*
Ports	1 docking connector; 2 external battery power ports
Ports	1 RJ-45; 2 USB 3.0
Ports	1 DC-in power connector
Network interface	Integrated Intel® I219-LM PCIe® GbE
Network interface type	LAN
Network interface type	WLAN
Wireless	Intel® Dual Band Wireless-AC 9260 802.11ac (2x2) and Bluetooth® 5 M.2, non-vPro™
Power	330 W external power supply, up to 92.6% efficiency, active PFC[15]
Battery type	4-cell, 36 Wh Li-ion polymer
Sustainable impact specifications	Low halogen
Security management	TPM 2.0 certified
Software	HP VR Backpack RGB Lighting Utility[12,13]
UPC number	(ABA) 194850272653; (ABL) 194850272837
Manufacturer Warranty	1 year (1-1-1) limited warranty and service offering includes 1 year of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
What's in the box	HP Z VR Backpack Battery Charger; HP VR Backpack G2; HP VR Backpack G2 Harness; HP Z VR Backpack External Battery; HP 330W Smart AC Power Adapter; HP 180W Smart AC Power Adapter

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Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

No Messaging Footnotes

Technical Specifications Footnotes

[6] Multi-core 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.

[12] HP Remote Graphics Software requires a Windows, Linux®, or Mac®OS X 10.10 and newer operating system and network access.

[13] RGS, Velocity, Client Security and Client Management SW are available for download on http://www.hp.com/go/clientmanagement"www.hp.com/go/clientmanagement

[15] Battery is internal and not replaceable by customer. Serviceable by warranty.

Learn more at
hp.com

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