



ASUS ExpertBook P5 G1 (16" Intel)

Work reimagined, with AI

Built for modern business workflows, the ASUS ExpertBook P5 G1 delivers dependable performance and seamless connectivity to keep teams productive anywhere. Powered by up to an Intel® Core™ Ultra 7 processor*, it features an optimized ExpertCool thermal design for sustained efficiency, along with an ergonomic layout and large touchpad for comfortable everyday use. A long-lasting 70Wh battery* and business-grade security ensure reliable performance throughout the workday.



Intel® Core™ Ultra
Processor



ASUS ExpertCool
Thermal Solution



Ergonomic
Design



70Wh Battery*



ASUS
ExpertGuardian



ASUS MyExpert²

Exceptional performance

- Up to Intel® Core™ Ultra 7 processors*
- ASUS ExpertCool solution for 45W TDP¹ performance
- ASUS MyExpert² & AI noise-cancelling
- Up to 96GB DDR5 RAM³
- Dual-SSD support up to 6TB storage⁴

Refined design for modern workflows

- Optimized, well-balanced chassis starting at 1.6 kg⁵
- Ergonomic design and large touchpad for improved comfort
- 5MP camera* for clear video conferencing
- Up to 16:10 WQXGA high refresh rate (144Hz) display*
- OLED* display option for vibrant visuals

Reliable connectivity and durability

- Lightning-fast WiFi 7* connectivity for smooth workflows
- Comprehensive I/O ports featuring high-speed Thunderbolt™ 4, full-function USB-C 3.2 Gen 2, USB 3.2 Gen 1 Type-A, HDMI 2.1, and RJ45 LAN
- Meets US military-grade (MIL-STD-810H)6 durability standards
- Lightning-fast WiFi 7* connectivity for smooth workflows

Business-grade security and manageability

- Robust protection with ASUS ExpertGuardian and NIST SP 800-155-compliant BIOS
- Windows 11 Secured-core PC
- Webcam privacy shield

Warranty and Support



Up to 3-year international warranty*
Warranty policies vary by country.



Next-day on-site-service*
Enjoy next business on-site service.



MyASUS
Contact customer service, view repair status, read product guides and more.

*WARRANTY POLICIES VARY BY COUNTRY

*Optional feature. May vary by model, specification, or region.
1. The figures are based on theoretical performance. Actual performance may vary in real-world situations.
2. ASUS MyExpert is exclusive to ASUS Expert series laptops, desktops and AIO models from 2026 onward. Availability may vary by country and model. Some features are currently in beta and under active development. Functionality may be limited and subject to change as updates roll out, and is based on the latest software version.
3. Up to 32 + 32 GB preconfigured, up to 48 + 48 GB self-upgrade.
4. Up to 512GB+512GB or single 1TB preconfigured, up to 4TB+2TB (TBD) self-upgrade.
5. Product weight may vary according to device configuration.
6. The testing regime includes the requirements of both military-grade standards and ASUS quality tests and varies depending on device. MIL-STD-810H testing is conducted on selected ASUS products only. Note that the MIL-STD-810H testing helps to ensure the quality of ASUS products but does not indicate a particular fitness for military use. The test is performed under laboratory conditions. Any damage caused by attempts to replicate these test conditions would be considered accidental and would not be covered by the standard ASUS warranty. Additional coverage is available with ASUS Premium Care.

SPECIFICATIONS

Model	ASUS ExpertBook P5 G1 (16" Intel)		
Operating system	Windows 11 Pro / Windows 11 Home 64bit		
	Windows 11 Pro Education 64bit Without OS		
Processor	Intel® Core™ Ultra 7 Processor 255H 2.0 GHz (24MB Cache, up to 5.1 GHz, 16 cores, 16 Threads) ; Intel® AI Boost NPU up to 13 TOPS		
	Intel® Core™ Ultra 5 Processor 225H 1.7 GHz (18MB Cache, up to 4.9 GHz, 14 cores, 14 Threads); Intel® AI Boost NPU up to 13 TOPS		
Graphics	Intel® Graphics/Arc™		
Memory	2 x SO-DIMM, up to 48 GB+48 GB DDR5 5600 MT/s SO-DIMM: 8 GB/16 GB/32 GB DDR5 5600 MT/s		
Storage	Main Slot: 1 x M.2 2280 SSD, up to 4 TB* PCIe 4.0 256 GB/512 GB/1 TB/2 TB M.2 PCIe® 4.0 SSD		
	2nd Slot: 1 x M.2 2230 SSD, up to 2TB* PCIe 4.0 SSD 512 GB M.2 PCIe® 4.0 SSD		
	*Up to 512GB+512GB or single 1TB preconfigured, up to 4TB+2TB self-upgrade. *2280 4TB & 2230 2TB SSD will only be tested, not for shipping configuration		
Display	16" WUXGA (1920 x 1200), 16:10, Value-IPS, wide view, anti-glare, 300nits 16" WQXGA (2560 x 1600), 16:10, IPS, wide view, anti-glare, 400nits 16" WUXGA (1920 x 1200), 16:10, OLED, Glare, 300nits Screen-to-body ratio: 88%		
I/O ports	1 x Thunderbolt™ 4 1 x USB 3.2 Gen 2 Type-C (full function) 2 x USB 3.2 Gen 1 Type-A (one support BC1.2) 1 x HDMI v2.1 TMDS 1 x Combo audio jack 1 x Nano Kensington® Lock slot 1 x LAN (RJ45) port		
	FHD camera, Webcam Shield 5MP+IR camera, Webcam Shield		
	Wi-Fi 6E (802.11ax) (Triple band) 2*2 + Bluetooth® 5.4 Wireless Card (3rd party) Wi-Fi 7(802.11be) (Triple band) 2*2 + Bluetooth® 5.4 Wireless Card (3rd party)		
	2x Speaker with Dirac technology support 2x Array microphone Support Speech Cognition and Smart AMP ASUS AI Noise-Canceling Technology		
	Starting at 1.6 kg		
	358.4*253.5*15.4 mm		
Battery	70Wh, 4 cell Li-Polymer 50Wh, 3 cell Li-Polymer		
Security	Nano Kensington® lock slot Fingerprint sensor Webcam Shield TPM 2.0		
	Keyboard with 1.5 mm key travel Backlit (optional) spill-resistant to 355cc*		
	*Quantity used during testing, with duration of 10 minutes		
Featured software	ASUS Control Center (sold separately), MyExpert, Expert Panel, AI Camera with MEP		
AC adapter	90W AC Adapter, USB Type-C Output: 20V DC, 4.5A, 90W / Input: 100-240V AC, 50/60Hz universal		
Energy efficiency compliance	EPEAT Gold Climate+, Energy Star 9.0, TCO 10.0, FSC Recycle, WEEE, RoHS, TÜV Rheinland PCR 29%		

DISCLAIMER: SPECIFICATIONS VARY BETWEEN DIFFERENT REGIONS. SERVICE AND WARRANTY COVERAGE DEPEND ON COUNTRY AND TERRITORY AND MAY NOT BE AVAILABLE IN ALL MARKETS.