



ASUS ExpertBook P5 G2 (16" AMD)

AI efficiency, vivid precision

Expertly crafted for business professionals, the ASUS ExpertBook P5 G2 combines powerful AI performance with an ultra-portable design. It's powered by up to AMD® Ryzen™ AI 9 HX* processors delivering up to 55 NPU TOPS¹, features an optimized ExpertCool thermal design for consistent efficiency, and offers an OLED display* that delivers vivid visuals wherever you work.



AMD® Ryzen™
AI processor



Up to 55 NPU
TOPS



Copilot+ PC



ASUS MyExpert²



OLED display*



70Wh battery*

Exceptional performance

- Up to AMD Ryzen™ AI 9 HX Processor*
- Up to 55 NPU TOPS¹
- ExpertCool thermal design for stable performance up to 45 W TDP¹
- ASUS MyExpert² & AI noise-cancelling
- Microsoft Copilot AI functions
- Up to 96GB DDR5 RAM³
- Dual-SSD support up to 6TB storage⁴

Productivity on the go

- Portable design starting from 1.57kg⁵
- 70Wh battery* for long lasting productivity
- Comprehensive I/O ports featuring high-speed USB4 Type-C, USB-C 3.2 Gen 2, HDMI 2.1, and RJ45 LAN⁶
- Meets US military-grade (MIL-STD-810H)⁷ durability standards

Brilliant visuals and refined design

- Up to 16:10 WQXGA high refresh rate (144Hz) display*
- OLED* display option for vibrant visuals
- 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*
100% free of charge, with no hidden costs.



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. For ExpertBook P5 G2 models equipped with AMD Ryzen™ AI300 series processors, only ASUS AI ExpertMeet features are currently supported. Features are subject to change or update without prior notice. For more information on the Cloud Plus plan, system requirements, and download instructions, please visit <https://www.asus.com/business/discover/myexpert>.
3. Memory may vary according to configuration. It's upgradable up to 48+48 GB.
4. 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.
5. Product weight may vary according to device configuration.
6. Actual I/O port configuration may vary depending on the specific model.
7. 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 G2 (16" AMD)	ASUS ExpertBook P5 G2 (16" AMD)
	PM5606CGA	PM5606CKA
Operating system	Windows 11 Home / Windows 11 Pro	Windows 11 Home 64bit / Windows 11 Pro
Processor	AMD Ryzen™ AI 9 HX 470 Processor 2.0GHz (24MB Cache, up to 5.2 GHz, 12 cores, 24 Threads); NPU 55 TOPs AMD Ryzen™ AI 7 445 Processor 2.0GHz (8MB Cache, up to 4.6 GHz, 6 cores, 12 Threads); NPU 50 TOPs AMD Ryzen™ AI 5 430 Processor 2.0GHz (8MB Cache, up to 4.5 GHz, 6 cores, 12 Threads); NPU 50 TOPs	AMD Ryzen™ AI 7 345 Processor 2.0GHz (8MB Cache, up to 4.6 GHz, 6 cores); NPU 50 TOPs AMD Ryzen™ AI 5 330 Processor 2.0GHz (8MB Cache, up to 4.5 GHz, 4 cores); NPU 50 TOPs
Graphics	AMD Radeon™ 890M (470) AMD Radeon™ 840M (445/430)	AMD Radeon™ Graphics
Memory	2 x SO-DIMM, up to 48GB+48GB DDR5 5600 MT/s SO-DIMM: 16 GB/32 GB DDR5 5600 MT/s	2 x SO-DIMM, up to 32GB+32GB DDR5 5600 MT/s SO-DIMM: 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/4 TB* M.2 PCIe® 4.0 SSD 2nd Slot: 1 x M.2 2230 SSD, up to 2 TB PCIe 4.0 SSD 512 GB/2 TB* M.2 PCIe® 4.0 SSD	Main Slot: 1 x M.2 2280 SSD, up to 2 TB PCIe 4.0 256 GB/512 GB/1 TB* M.2 PCIe® 4.0 SSD 2nd Slot: 1 x M.2 2230 SSD, up to 1 TB PCIe 4.0 SSD 512 GB/1 TB* M.2 PCIe® 4.0 SSD
*Up to 512GB+512GB or single 1TB preconfigured, up to 4TB+2TB (TBD) self-upgrade. 2280 4TB & 2230 2TB SSD will only be tested, not for shipping configuration. *Single 1TB preconfigured, up to 2TB self-upgrade. 2280 512GB + 2230 512GB SSD & Single 2230 512GB 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	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, sRGB 100%
Screen-to-body ratio: 88%		
I/O ports	1 x USB 3.2 Gen 2 Type-C (full function) 1 x USB4 Type-C (full function) 2 x USB 3.2 Gen 1 Type-A (one supports BC1.2) 1 x HDMI v2.1 TMDS 1 x Combo audio jack 1 x Nano Kensington® Lock slot 1 x LAN (RJ45) port	2 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
Camera	FHD camera, Webcam Shield 5MP+IR camera, Webcam Shield	FHD camera, Webcam Shield FHD+IR camera, Webcam Shield
Wireless	Wi-Fi 6 (802.11ax) (Dual 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)	Wi-Fi 6 (802.11ax) (Dual band) 2*2 + Bluetooth® 5.4 Wireless Card (Non-Intel) Wi-Fi 7(802.11be) (Triple band) 2*2 + Bluetooth® 5.4 Wireless Card (Non-Intel)
Audio	2x Speaker with Dirac technology support 2x Array microphone Support Speech Cognition and Smart AMP ASUS AI Noise-Canceling Technology	2x Speaker with Dirac technology support 2x Array microphone Support Speech Cognition and Smart AMP ASUS AI Noise-Canceling Technology
Weight	Starting at 1.57 kg	starting at 1.75 kg
Dimensions (WxDxH)	358.4*253.5*9.83~18 mm	358.4*253.5*9.83~18 mm
Battery	Up to 70Wh, 4 cell Li-Polymer Nano Kensington® lock slot	70Wh, 4 cell Li-Polymer Nano Kensington® lock slot
Security	Fingerprint Sensor Webcam Shield TPM 2.0	Fingerprint sensor Webcam Shield TPM 2.0
Keyboard and touchpad	Keyboard with 1.5 mm key travel Backlit (optional) Spill-resistant to 66cc* *Quantity used during testing, with duration of 3 minutes	Full-size keyboard with 1.5 mm key travel Backlit (optional) spill-resistant to 66cc* *Quantity used during testing, with duration of 3 minutes
Featured software	ASUS Control Center (sold separately), MyExpert, Expert Panel, AI Camera with MEP	ASUS Control Center (sold separately), MyASUS, Expert Panel, AI ExpertMeet, 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	65W AC Adapter, USB Type-C Output: 20V DC, 3.25A, 65W / Input: 100-240V AC, 50/60Hz universal
Energy efficiency compliance	EPEAT Gold Climat+, Energy Star 9.0, TCO 10.0, FSC Recycle, WEEE, RoHS, TÜV Rheinland PCR 29%	EPEAT Gold Climat+, 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.