ASUS ExpertBook B5 G2 | 16" Intel

Incredible AI power for business

Expertly designed for professionals, ASUS ExpertBook B5 G2 is a Copilot+ PC that empowers smarter work with Intel® Core™ Ultra 7 Series 3 processor and an integrated NPU for AI-driven workloads. It features dual SO-DIMM slots supporting up to 96GB[1] RAM, a 16:10 slim-bezel display, and AI-powered tools such as ASUS MyExpert to elevate productivity. It features ASUS ExpertGuardian enterprise-grade security, safeguarding sensitive corporate data with dual BIOS ROM, chassis-intrusion detection and optional biometric authentication. Paired with the world's leading digital product passport, it's a sustainable and future-ready choice for modern businesses.



Intel® Core™ Ultra 7 Series 3 processor

ASUS ExpertGuardian

Ultralight

Dual SO-DIMM

All-day battery life

Sustainable design

AI productivity, unlocked performance

- Up to Intel® Core™ Ultra 7 Series 3 processor with up to 50 NPU TOPS
- ASUS MyExpert AI-powered tool and AI audio/video tools
- Starting weight 1.79kg[2](16")
- Up to 96GB[1] DDR5 (Dual SO-DIMM)
- Up to 4TB + 2TB[3] PCIe® 4.0 SSD
- Up to WQXGA (2560 x 1600), IPS, 16:10, wide view, anti-glare, 400nits, sRGB100%
- Full I/O ports including 2 x Thunderbolt™ 4 USB-C
- Up to 19 hours all-day battery life[4]

Enterprise-grade security and manageability

- Microsoft secured-core technologies
- NIST SP 800-193-compliant BIOS
- Biometric login with fingerprint sensor, 5MP IR camera*
- Smart card reader*
- ASUS management solutions (ASUS Control Center*, Image Maker*)

Business-level durability and service

- MIL-STD-810H 24 procedures[5] tested
- Up to 5-year international warranty available*
- ASUS business support services

Sustainable for an incredible future

- World's leading digital product passport
- Compliant with EPEAT Gold Climate+[6], Energy Star 9.0[6], TCO 10.0[6], FSC Recycled

* Optional feature, may vary by model, specification, or region.
1. Up to 64GB preconfigured, up to 96G self-upgrade.
2. Product weight may vary based on configurations.
3. Up to 512GB+512GB or single 2TB preconfigured, up to 4TB+2TB (TBD) self-upgrade. 2280 4TB & 2230 2TB SSD will only be tested, not for shipping configuration.
4. Actual battery life may vary depending on product configuration, usage, operational conditions and power management settings. Battery life will decrease over the lifetime of the battery.
5. 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.
6.Certifications are still under progress at time of publishing this document. please check with your ASUS representative prior to sharing any information publicly.

Warranty and Support

Up to 5-year international warranty available*
Warranty policies vary by country.

Pick up & return service*
Enjoy door-to-door service including pick up, repair, and return.

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

SPECIFICATIONS

Model	ASUS ExpertBook B5 G2 (16” Intel)
Operating system	Windows 11 Pro/ Home 64bit Windows 11 Clean Build Windows 11 PRO 64 bits with Driver WHQL support Without OS
Processor	Intel® Core™ Ultra 7 Processor 366H 2.0 GHz (vPro® Enterprise) (18MB Cache, up to 4.8 GHz, 16 cores, 16 Threads); Intel® AI Boost NPU up to 50 TOPS Intel® Core™ Ultra 7 Processor 356H 1.9 GHz (18MB Cache, up to 4.7 GHz, 16 cores, 16 Threads); Intel® AI Boost NPU up to 50 TOPS Intel® Core™ Ultra 7 Processor 355 2.3 GHz (12MB Cache, up to 4.7 GHz, 8 cores, 8 Threads); Intel® AI Boost NPU up to 49 TOPS Intel® Core™ Ultra 5 Processor 335 2.2 GHz (vPro® Enterprise) (12MB Cache, up to 4.6 GHz, 8 cores, 8 Threads); Intel® AI Boost NPU up to 47 TOPS Intel® Core™ Ultra 5 Processor 325 2.1 GHz (12MB Cache, up to 4.5 GHz, 8 cores, 8 Threads); Intel® AI Boost NPU up to 47 TOPS
Graphics	Intel® Graphics for Intel Core Ultra with 64-bit memory populated
Memory	2 x SO-DIMM, up to 48+48 GB* DDR5 5600 MT/s SO-DIMM: 8 GB/16 GB/32 GB DDR5 5600 MT/s *Up to 64GB preconfigured, up to 96GB self-upgrade.
Storage	Main Slot: 1 x M.2 2280 SSD, up to 4 TB* M.2 PCIe® 5.0 SSD 256 GB/512 GB/1 TB/2 TB/4 TB* M.2 PCIe® 4.0 SSD 512 GB/1 TB/2 TB/4 TB* M.2 PCIe® 5.0 SSD 512 GB M.2 NVMe® SED SSD 2nd Slot: 1 x M.2 2230 SSD, up to 2 TB* M.2 PCIe® 4.0 SSD 512 GB/2 TB* M.2 PCIe® 4.0 SSD *Up to 512GB+512GB or single 2TB preconfigured, up to 4TB+2TB (TBD) self-upgrade. *2280 4TB & 2230 2TB SSD will only be tested, not for shipping configuration.
Display	Non-touch 16" WUXGA (1920 x 1200), Value-IPS, 16:10, wide view, anti-glare, 300nits, NTSC 45% 16" WQXGA (2560 x 1600), IPS, 16:10, wide view, anti-glare, 400nits, sRGB 100% Touch 16" WUXGA (1920 x 1200), IPS, 16:10, wide view, anti-glare, 400nits, sRGB100%
I/O ports	2 x Thunderbolt™ 4 USB-C™, 2 x USB 3.2 Gen 1 Type-A (one support BC1.2) 1 x HDMI® 2.1 TMDS, 1 x Combo audio jack, 1 x Kensington® nano lock slot 1 x RJ45, 1 x Micro SD, 1 x Smart card reader (optional)
Camera	FHD camera, Webcam Shield, FHD+IR camera, Webcam Shield, 5M+IR camera, Webcam Shield
Wireless	WLAN: Wi-Fi 6E (802.11ax) (Triple band) 2*2 + Bluetooth® 5.4 Wireless Card Wi-Fi 7 (802.11be) (Triple band) 2*2 + Bluetooth® 6 Wireless Card
Audio	2 x Speaker with Dirac technology support 2 x Array microphone Support Smart AMP ASUS AI Noise-Canceling Technology
Weight	Starting at 1.79kg (with 50W battery and 16” 300nits/400nits panel)
Dimensions (WxDxH)	358.4 x 253.9 x 15.45 mm
Battery	50Wh-3 cell, Li-Polymer 63Wh-3 cell, Li-Polymer
Security	Kensington® Nano lock slot, fingerprint sensor(standard configuration) Webcam Shield, TPM 2.0 (dTPM / fTPM), Smart Card Reader (optional)
Keyboard and touchpad	Full-size keyboard with 1.5 mm key travel, backlit (optional), spill-resistant to 78cc* *Quantity used during testing, with duration of 3 minutes
Featured software	ASUS Control Center (sold separately) / MyExpert / MyASUS / AI Camera with MEP
AC adapter	65W AC Adapter, USB Type-C Output: 20V DC, 3.25A, 65W / Input: 100-240V AC, 50/60Hz universal
Energy efficiency compliance	EPEAT Gold Climate+ / Energy Star 9.0 / TCO 10.0 / FSC Recycled / WEEE / RoHS / TÜV Rheinland

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

Recommended Accessories



ASUS SimPro Dock 2

Change log

May, 2026
● Revise “ Windows 11 Pure OS” to “Windows 11 Clean Build” in operating system.