

# ExpertBook B1 | B1503CVA

## Elevated, effortless and secure

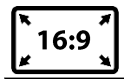
Packed with business-friendly features, the ASUS ExpertBook B1 series offers practicality for small firms, educational institutions, and students. With a sleek 1.6kg design, 180° lay-flat hinge, advanced AI features, enterprise-grade security, and extensive connectivity, it's the perfect portable partner to empower your workday



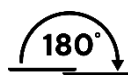
Intel® Core™ processor



Sustainable design



16:9 aspect ratio



180° lay-flat hinge



Copilot key



ASUS AI noise-canceling

## Business-focused, durable design

- Tested to stringent U.S. military-grade standards
- A 1.6kg (starting weight) portable device with sleek chassis
- 180° lay-flat hinge for collaboration sessions
- ASUS ExpertWidget for customizable keyboard shortcuts
- Up to 10 hours battery life<sup>1</sup>

## Exceptional performance and connectivity

- Up to Intel® Core™ 7 processor (Series 1)
- Up to 64GB RAM, Dual SO-DIMM DDR5
- Dual SSD for up to 1TB PCIe® 4.0 SSD (RAID 0, RAID1 Support)
- Comprehensive I/O ports including full-function USB-C, USB-A, HDMI
- Up to WiFi 6E
- Two-way ASUS AI noise-canceling technology

## Enterprise-grade security and manageability

- Biometric login with fingerprint sensor\*
- Webcam shield, and Kensington® lock slot to protect your data and privacy
- TPM 2.0\* and fingerprint sensor\* for added security
- Compatible with MyASUS for seamless management

\*OPTIONAL FEATURE, MAY VARY BY MODEL, SPECIFICATION, OR REGION.

<sup>1</sup>ACTUAL BATTERY PERFORMANCE MAY VARY DEPENDING ON PRODUCT CONFIGURATION, USAGE, OPERATIONAL CONDITIONS AND POWER MANAGEMENT SETTINGS. BATTERY LIFE WILL DECREASE OVER THE LIFETIME OF THE BATTERY.

<sup>2</sup>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 for pick ups, repairs, and returns.



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

# SPECIFICATIONS

Model	ExpertBook B1 (B1503CVA)
Operating system	Windows 11 Pro/ Home 64bit Windows 11 Pro Education 64bit Windows 11 pure OS (not for open channel) Without OS
Processor	Intel® Core™ 7 processor 150U 1.8 GHz (12MB cache, up to 5.4 GHz, 10 cores) Intel® Core™ 5 processor 120U 1.4 GHz (12MB cache, up to 5.0 GHz, 10 cores) Intel® Core™ 3 processor 100U 1.2 GHz (10MB cache, up to 4.7 GHz, 6 cores) Intel® Core™ i7-1355U processor 1.7 GHz (12MB cache, up to 5.0 GHz, 10 cores) Intel® Core™ i5-1335U processor 1.3 GHz (12MB cache, up to 4.6 GHz, 10 cores) Intel® Core™ i5-1334U processor 1.3 GHz (12MB cache, up to 4.6 GHz, 10 cores) Intel® Core™ i3-1315U processor 1.2 GHz (10MB cache, up to 4.5 GHz, 6 cores) Intel® Core™ i7-13700H processor 2.4 GHz (24MB cache, up to 5.0 GHz, 14 cores, 20 Threads) Intel® Core™ i5-13500H processor 2.6 GHz (18MB cache, up to 4.7 GHz, 12 cores, 16 Threads) Intel® Core™ i7-13620H Processor 2.4 GHz (24MB Cache, up to 4.9 GHz, 10 cores, 16 Threads) Intel® Core™ i5-13420H Processor 2.1 GHz (12MB Cache, up to 4.6 GHz, 8 cores, 12 Threads) Intel® UHD Graphics for Intel® Core with 64-bit memory populated (i3, and i5, i7 with single channel; i5-13420H, i7-13620H)
Graphics	Intel® Iris® Xe Graphics for Intel® Core with 128-bit memory populated (i5, i7 with dual channel, exclude i5-13420H, i7-13620H) Intel® Graphics for Intel® Core with 64-bit memory populated (Core3, 5, 7)
Memory	2x SO-DIMM, up to 64GB DDR5 5200 MHz SO-DIMM: 8GB/16GB/32GB DDR5 5200 MHz
Storage	1 x M.2 2280 NVMe PCIe® 4.0, up to 1TB PCIE Gen4 SSD 128 GB/256 GB/512 GB/1TB M.2 PCIe® 4.0 SSD 512 GB/1TB M.2 PCIe® 4.0 Performance SSD 2nd slot: 1 x M.2 2230 NVMe PCIe® 4.0, up to 512GB PCIE Gen4 SSD 512 GB M.2 PCIe® 4.0 SSD Support 512 GB + 512 GB Non-RAID/RAID 0/RAID 1
Display	15.6" FHD (1920 x 1080) Value-IPS, 16:9, Wide View, Anti-Glare, 300nits, 45% NTSC 15.6" FHD (1920 x 1080) TN, 16:9, Wide View, Anti-Glare, 250nits, 45% NTSC
I/O ports	2 x USB 3.2 Gen2 Type-C (full function, support PD+DP) / 2 x USB 3.2 Gen1 Type-A / 1 x HDMI 1.4b 1 x 3.5mm Combo audio jack / 1 x Kensington® nano lock slot / 1 x RJ45
Camera	HD camera, webcam shield / FHD camera, webcam shield
Wireless	Wi-Fi 6 (802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card Wi-Fi 6E (802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card
Audio	2 x speaker with Dirac technology support 2 x Array microphone ASUS AI Noise-Canceling Technology
Weight	Starting at 1.6kg
Dimensions (WxDxH)	35.95*23.22*1.99 cm
Battery	42Wh-3 cell, Li-Polymer 50Wh-3 cell, Li-Polymer 63Wh-3 cell, Li-Polymer
Security	Nano Kensington® lock slot / Fingerprint Sensor (combo touchpad) (optional) Webcam Shield / TPM 2.0 (optional)
Keyboard and touchpad	Full-size keyboard with 1.35 mm key travel / Backlit (optional) / spill-resistant to 66cc* *Quantity used during testing, with duration of 3 minutes
Featured software	ASUS Control Center (optional), MyASUS, ExpertMeet
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 8.0, TCO 10.0, FSC Recycle, WEEE, RoHS, TÜV Rheinland

# Change log

July, 2025

- Added CPU option: “Intel® Core™ i5-1334U processor 1.3 GHz (12MB cache, up to 4.6 GHz, 10 cores)”
- In Energy efficiency compliance session, revised TCO 9.0 to TCO 10.0