

# 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.

Model	B1503CVA / 90NX0801-M01EU0
Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
LCD cover-material	Plastic
LCD cover-color	Gentle Grey
Top case-material	Plastic
Top case-color	Gentle Grey
Bottom case-material	Plastic
Bottom case-color	Gentle Grey
Military grade	US MIL-STD 810H military-grade standard
Panel Size	15.6-inch
Backlit	LED Backlit
Brightness	300nits
Resolution	FHD (1920 x 1080) 16:9
Glare	Anti-glare display
Color gamut	NTSC: 45%
View angle(H/V)	170/170
Response time(Typ/Max) (ms)	20/25
Refresh rate	60Hz
Contrast (Typ)	800:1
Touch Panel	Non-touch screen
Screen-to-body ratio	87 %
IPS-level	Wide view
Processor	Intel® Core™ i7-13620H Processor 2.4 GHz (24MB Cache, up to 4.9 GHz, 10 cores, 16 Threads)
Chipset	N/A
Discrete/Share	Share
Integrated GPU	Intel® UHD Graphics

<b>VRAM</b>	N/A
<b>How to upgrade memory</b>	Upgradable; Need to remove bottom/top case
<b>Expansion Slot(includes used)</b>	2x DDR5 SO-DIMM slots 1x M.2 2230 PCIe 4.0x4 1x M.2 2280 PCIe 4.0x4
<b>DIMM Memory</b>	32GB DDR5 SO-DIMM
<b>Total System Memory</b>	DDR5 32GB
<b>Storage</b>	512GB M.2 2280 NVMe™ PCIe® 4.0 SSD SSD Housing for storage expansion
<b>Front-facing camera</b>	1080p FHD camera With privacy shutter
<b>Wireless</b>	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.4 Wireless Card
<b>NumberPad</b>	N/A
<b>FingerPrint</b>	FingerPrint
<b>Keyboard type</b>	Backlit Chiclet Keyboard with Num-key
<b>I/O ports</b>	2x USB 3.2 Gen 1 Type-A 2x USB 3.2 Gen 2 Type-C support display / power delivery 1x HDMI 1.4, up to 3840x2160p/30Hz 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet
<b>Audio</b>	Audio by Dirac Built-in speaker Built-in array microphone
<b>Battery</b>	50WHrs, 3S1P, 3-cell Li-ion
<b>AC Adapter</b>	TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, Input: 100~240V AC 50/60Hz universal (Adapter+power cord)
<b>Required charging power</b>	Min: 55W Max: 65W *The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher.
<b>Dimension (WxHxD)</b>	35.95 x 23.22 x 1.99 ~ 1.99 cm (14.15" x 9.14" x 0.78" ~ 0.78")
<b>Weight (with Battery)</b>	1.68 kg (3.70 lbs)
<b>Weight (w/o Battery)</b>	1.49 kg (3.28 lbs)

<b>Security</b>	<ul style="list-style-type: none"> <li>Fingerprint sensor intergrated with Touchpad</li> <li>Kensington Nano Security Slot™(6x 2.5mm)</li> <li>BIOS Booting User Password Protection</li> <li>BIOS Integrity Measurement Support</li> <li>BIOS Protection Support</li> <li>BIOS Self Recovery</li> <li>BIOS setup user password</li> <li>CSME BIOS Redundancy Assistance</li> <li>Enhanced Password Strength</li> <li>HDD User Password Protection and Security</li> <li>Intel CSME Firmware Resilience</li> <li>Intel® BIOS Guard</li> <li>Intel® Boot Guard</li> <li>Microsoft Secured-core PC</li> <li>Microsoft Security Level 2</li> <li>Support Absolute Persistence 2.0 (Computrace)</li> <li>Trusted Platform Module (TPM) 2.0</li> <li>N/A</li> </ul>
<b>Antivirus</b>	N/A
<b>MyASUS feature</b>	<ul style="list-style-type: none"> <li>System diagnosis</li> <li>Battery health charging</li> <li>Fan Profile</li> <li>Splendid</li> <li>Tru2Life</li> <li>Function key lock</li> <li>WiFi SmartConnect</li> <li>AppDeals</li> <li>Link to MyASUS</li> </ul>
<b>Built-in Apps</b>	<ul style="list-style-type: none"> <li>MyASUS</li> <li>AI ExpertMeet (AI features need devices with 12GB RAM or more)</li> </ul>
<b>Disclaimer for Built-in Apps</b>	<p>Built-in Apps vary from OS SKU.</p> <p>*MyASUS/McAfee don't support in Pure OS/without OS/G sku/Win SE/Windows on ARM/Linux OS (ex. Endless, Kylin, Ubuntu)</p>
<b>Reparability Index (for Belgium)</b>	9.4
<b>Reparability Index (for France)</b>	9.6
<b>Ecolabels &amp; Compliances</b>	<ul style="list-style-type: none"> <li>EPEAT Gold with Climate+</li> <li>Energy star 8.0</li> <li>FSC Recycled</li> <li>REACH</li> <li>RoHS</li> <li>TCO Certified</li> </ul>
<b>Base Warranty</b>	1Y Pick up/ return; ZENCARE + 1Y Pick up/ return
<b>Recommended Warranty Package Part number//Extension and/or upgrade service from base warranty</b>	<ul style="list-style-type: none"> <li>ACX10-004011NX//1Y International Extention</li> <li>ACX13-009600NX//1Y Extension; 3Y OnSite Service(Next Business Day)*upgrade</li> <li>ACX15-015110NX//1Y Extension; 3Y OnSite Service(Next Business Day); 3Y Accidental Damage Protection* *upgrade</li> <li>*If you would like to know the details, please contact your sales teams.</li> </ul>

<b>Battery warranty</b>	Commercial NB B series Battery warranty follow system warranty, 4Y-5Y by WEP option.
<b>Sustainable Material_Top cover(A part)</b>	30% PCR recycled plastic(cover or inner frame)
<b>Sustainable Material_Keyboard frame (C part)</b>	30% PCR recycled plastic(cover or inner frame)
<b>Sustainable Material_Bottom cover (D part)</b>	30% PCR recycled plastic(cover or inner frame)
<b>Sustainable Material_Battery</b>	30% PCR recycled plastic
<b>Sustainable Material_Total PCR recycled plastic</b>	29%