

ASUS ExpertBook B1 (B1503)

Overview

Tech Specs

Review

Support

Viewing 1 - 2 of 2



Model	B1503CVA	B1503CTA
Color	Gentle Grey Misty Grey	Gentle Grey
Operating System	Windows 11 Pro Education *Some devices for academic use will automatically be updated to Windows 11 Pro Education with the Windows 11 Anniversary Update. Features vary; see https://aka.ms/ProEducation for Windows 11 Pro Education feature information. Windows 11 Pro Windows 11 Home - ASUS recommends Windows 11 Pro for business Non-preinstalled OS Endless	Windows 11 Home - ASUS recommends Windows 11 Pro for business Non-preinstalled OS
Processor	Intel® Core™ i3-1315U Processor 1.2 GHz (10MB Cache, up to 4.5 GHz, 6 cores, 8 Threads) Intel® Core™ i7-1355U Processor 1.7 GHz (12MB Cache, up to 5.0 GHz, 10 cores, 12 Threads) Intel® Core™ i7-13620H Processor 2.4 GHz (24MB Cache, up to 4.9 GHz, 10 cores, 16 Threads) Intel® Core™ 5 Processor 120U 1.4 GHz (12MB Cache, up to 5.0 GHz, 10 Cores) Intel® Core™ 7 Processor 150U 1.8 GHz (12MB Cache, up to 5.4 GHz, 10 Cores) Intel® Core™ i5-13500H Processor 2.6 GHz (18MB Cache, up to 4.7 GHz, 12 cores, 16 Threads) Intel® Core™ i5-1334U Processor 1.3 GHz (12MB Cache, up to 4.6 GHz, 10 cores, 12 Threads) Intel® Core™ i5-1335U Processor 1.3GHz (12M Cache, up to 4.6GHz, 10 cores) Intel® Core™ i7-13700H Processor 2.4 GHz (24MB Cache, up to 5.0 GHz, 14 cores, 20 Threads) Intel® Core™ i5-13420H Processor 2.1 GHz (12MB Cache, up to 4.6 GHz, 8 cores, 12 Threads) Intel® Core™ 3 Processor 100U 1.2 GHz (10MB Cache, up to 4.7 GHz, 6 Cores)	Intel® Processor N150 0.8 GHz (6MB Cache, up to 3.6 GHz, 4 cores, 4 Threads) Intel® Core™ 3-N355 Processor 1.9 GHz (6MB Cache, up to 3.9 GHz, 8 cores, 8 Threads)
Graphics	Intel® UHD Graphics Intel Iris X® Graphics (available for Intel® Core™ i5/i7/i9 with dual channel memory)	Intel® UHD Graphics
Display	Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Wide view, Anti-glare display, LED Backlit, 300nits, NTSC: 45%, Screen-to-body ratio:87 % Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, TN, Anti-glare display, LED Backlit, 250nits, NTSC: 45%, Screen-to-body ratio:87 %	Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, TN, Anti-glare display, LED Backlit, 250nits, NTSC: 45%, Screen-to-body ratio:87 %
Memory	8GB DDR5 SO-DIMM, Memory Max Up to:64GB 8GB DDR5 SO-DIMM x 2, Memory Max Up to:64GB 16GB DDR5 SO-DIMM, Memory Max Up to:64GB 32GB DDR5 SO-DIMM, Memory Max Up to:64GB 32GB DDR5 SO-DIMM x 2, Memory Max Up to:64GB 16GB DDR5 SO-DIMM x 2, Memory Max Up to:64GB	8GB LPDDR5X on board, Memory Max Up to:16GB
Storage	256GB M.2 2280 NVMe™ PCIe® 4.0 SSD 512GB M.2 2280 NVMe™ PCIe® 4.0 SSD 1TB M.2 2280 NVMe™ PCIe® 4.0 SSD 512GB M.2 2280 NVMe™ PCIe® 4.0 SSD + 512GB M.2 2230 NVMe™ PCIe® 4.0 SSD	256GB M.2 2280 NVMe™ PCIe® 4.0 SSD 512GB M.2 2280 NVMe™ PCIe® 4.0 SSD
I/O Ports	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	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
Expansion Slots(includes used)	2x DDR5 SO-DIMM slots 1x M.2 2280 PCIe 4.0x4 1x M.2 2230 PCIe 4.0x4	
Keyboard & Touchpad	Chiclet Keyboard with Num-key, 1.35mm Key-travel, Spill-resistant Keyboard Backlit Chiclet Keyboard with Num-key, 1.35mm Key-travel, Spill-resistant Keyboard	Chiclet Keyboard with Num-key, 1.35mm Key-travel
Camera	720p HD camera With privacy shutter 1080p FHD camera	720p HD camera With privacy shutter
Audio	Audio by Dirac Built-in speaker Built-in array microphone	Audio by Dirac Built-in speaker Built-in array microphone
Network and Communication	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.4 Wireless Card	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.4 Wireless Card
Battery	63WHrs, 3S1P, 3-cell Li-ion Long life rechargeable lithium polymer battery. 42WHrs, 3S1P, 3-cell Li-ion 50WHrs, 3S1P, 3-cell Li-ion	42WHrs, 3S1P, 3-cell Li-ion Long life rechargeable lithium polymer battery. 50WHrs, 3S1P, 3-cell Li-ion
Power Supply	TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, Input: 100~240V AC 50/60Hz universal	TYPE C ,45W AC Adapter ,Output: 20V DC, 2.25A, 45W , Input: 100~240V AC; 50/60Hz universal
Weight	Start from:01.64 kg (3.62 lbs)	Start from:01.52 kg (3.35 lbs)
Dimensions (W x D x H)	35.95 x 23.22 x 1.99 ~ 1.99 cm (14.15" x 9.14" x 0.78" ~ 0.78")	35.95 x 23.22 x 1.99 ~ 1.99 cm (14.15" x 9.14" x 0.78" ~ 0.78")
Built-in Apps	MyASUS AI ExpertMeet (AI features need devices with 12GB RAM or more)	MyASUS
MyASUS Features	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect AppDeals Link to MyASUS	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect AppDeals Link to MyASUS
Military Grade	US MIL-STD 810H military-grade standard	US MIL-STD 810H military-grade standard
Ecolabels & Compliances	EPEAT Gold with Climate+ Energy star 8.0 FSC Recycled RoHS REACH	Energy star 8.0 FSC Mix TCO Certified RoHS REACH
Sustainable Material	29%	28%
Security	HDD User Password Protection and Security BIOS Booting User Password Protection Trusted Platform Module (TPM) 2.0 BIOS setup user password Support Absolute Persistence 2.0 (Computrace) BIOS Integrity Measurement Support Microsoft Secured-core PC Intel® BIOS Guard BIOS Self Recovery CSME BIOS Redundancy Assistance BIOS Protection Support Intel® Boot Guard Enhanced Password Strength Intel CSME Firmware Resilience Microsoft Security Level 2 Kensington Nano Security Slot™ (6x 2.5mm) Fingerprint sensor intergrated with Touchpad Trusted Platform Module (Firmware TPM)	HDD User Password Protection and Security BIOS Booting User Password Protection Trusted Platform Module (TPM) 2.0 BIOS setup user password Support Absolute Persistence 2.0 (Computrace) Kensington Nano Security Slot™ (6x 2.5mm)
Included in the Box (Optional)	Wired optical mouse (USB) Backpack Carry bag Wireless optical mouse	Backpack
Disclaimer	*Endless OS does not support following functions. . Smart card & smart card reader . Finger print scanner . Internal die-up modem . Expansion ports: serial/parallel port devices . Asus Number Pad	



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*The Windows 11 upgrade will be delivered to qualifying devices late 2021 into 2022. Timing will vary by device. Certain features require specific hardware (see aka.ms/windows11-spec).

*IPS stands for in-plane switching, a type of LED (a form of LCD) display panel technology.

Unless otherwise stated, all performance claims are based on theoretical performance. Actual figures may vary in real-world situations.

The actual transfer speed of USB 3.0, 3.1, 3.2, and/or Type-C will vary depending on many factors including the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment.

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- Price may not include extra fee, including tax, shipping, handling, recycling fee.

For pricing information, ASUS is only entitled to set a recommendation resale price. All resellers are free to set their own price as they wish.

* Result from Mobile Mark 2014 office productivity.

* The testing regimen includes the requirements of both military-grade standards and ASUS quality tests, and varies depending on device. MIL-STD-810 testing is conducted on selected ASUS products only. These tests do not demonstrate fitness for military use, or adherence to US Department of Defense (DoD) contract requirements. Similarly, the test results should not be considered an indication or guarantee of future performance under the specified test conditions. Damage occurring under these test conditions – or any attempt to replicate them – would be considered accidental, and would not be covered by the standard ASUS warranty. Additional coverage is available with ASUS Premium Care.

ASUS

Laptops

For Work

ExpertBook

ASUS ExpertBook B1 (B1503)

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