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ExpertBook B1 (B1400, 12th Gen Intel)

Overview   Tech Specs   Review   Support

Model	ExpertBook B1 (B1400, 12th Gen Intel)
Color	Star Black
Operating System	Windows 11 Pro - ASUS recommends Windows 11 Pro for business Windows 11 Home - ASUS recommends Windows 11 Pro for business Non-preinstalled OS Windows 10 Pro (as a downgrade from Windows 11 Pro)- ASUS recommends Windows 11 Pro for business 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 10 Pro Education (as a downgrade from Windows 11 Pro Education) *Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see https://aka.ms/ProEducation for Windows 10 Pro Education feature information.
Processor	Intel® Core™ i7-1255U Processor 1.7 GHz (12M Cache, up to 4.7 GHz, 10 cores) Intel® Core™ i5-1235U Processor 1.3 GHz (12M Cache, up to 4.4 GHz, 10 cores) Intel® Core™ i3-1215U Processor 1.2 GHz (10M Cache, up to 4.4 GHz, 6 cores) Intel® Core™ i5-1245U vPro® Processor 1.6 GHz (12M Cache, up to 4.4 GHz, 10 cores) Intel® Core™ i7-1265U vPro® Processor 1.8 GHz (12M Cache, up to 4.8 GHz, 10 cores)
Graphics	Intel® UHD Graphics Intel Iris X® Graphics (available for Intel® Core™ i5/i7/i9 with dual channel memory)
Display	Non-touch screen, 14.0-inch, FHD (1920 x 1080) 16:9, Wide view, Anti-glare display, LED Backlit, 250nits, NTSC: 45%, Screen-to-body ratio:84 % Non-touch screen, 14.0-inch, FHD (1920 x 1080) 16:9, Anti-glare display, LED Backlit, 220nits, NTSC: 45%, Screen-to-body ratio:84 % Non-touch screen, 14.0-inch, HD (1366 x 768) 16:9, Anti-glare display, LED Backlit, 220nits, NTSC: 45%, Screen-to-body ratio:84 %
Memory	16GB DDR4 on board, Memory Max Up to:48GB 8GB DDR4 on board, Memory Max Up to:40GB 4GB DDR4 on board, Memory Max Up to:36GB 8GB DDR4 on board, 8GB DDR4 SO-DIMM, Memory Max Up to:40GB 16GB DDR4 on board, 16GB DDR4 SO-DIMM, Memory Max Up to:48GB 4GB DDR4 on board, 4GB DDR4 SO-DIMM, Memory Max Up to:36GB
Storage	512GB M.2 NVMe™ PCIe® 4.0 SSD 1TB SATA 5400RPM 2.5" HDD, 256GB M.2 NVMe™ PCIe® 4.0 SSD 1TB M.2 NVMe™ PCIe® 4.0 SSD 256GB M.2 NVMe™ PCIe® 4.0 SSD 2TB SATA 5400RPM 2.5" HDD, 512GB M.2 NVMe™ PCIe® 4.0 SSD 1TB SATA 5400RPM 2.5" HDD, 512GB M.2 NVMe™ PCIe® 4.0 SSD 1TB SATA 5400RPM 2.5" HDD 2TB SATA 5400RPM 2.5" HDD, 1TB M.2 NVMe™ PCIe® 4.0 SSD 1TB SATA 5400RPM 2.5" HDD, 1TB M.2 NVMe™ PCIe® 4.0 SSD
I/O Ports	1x USB 2.0 Type-A 2x USB 3.2 Gen 2 Type-A 1x Thunderbolt™ 4, compliant with USB4, supports display / power delivery 1x HDMI 1.4 1x VGA Port (D-Sub) 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet 1x DC-in Micro SD card reader
Expansion Slots	1x DDR4 SO-DIMM slot 1x M.2 2280 PCIe 4.0x4 1x STD 2.5" SATA HDD
Keyboard & Touchpad	Backlit Chiclet Keyboard, 1.5mm Key-travel, Spill-resistant Keyboard, Support NumberPad Backlit Chiclet Keyboard, 1.5mm Key-travel, Spill-resistant Keyboard Chiclet Keyboard, 1.5mm Key-travel, Spill-resistant Keyboard Chiclet Keyboard, 1.5mm Key-travel, Spill-resistant Keyboard, Support NumberPad
Camera	720p HD camera With privacy shutter
Audio	Built-in speaker Built-in array microphone with Cortana support
Network and Communication	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
	42WHrs, 3S1P, 3-cell Li-ion

Battery

Power Supply	ø4.5, 65W AC Adapter, Output: 19V DC, 3.42A, 65W, Input: 100~240V AC 50/60Hz universal TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, Input: 100~240V AC 50/60Hz universal TYPE-C, 65W AC LIPSTICK Adapter, Output: 20V DC, 3.25A, 65W, Input: 100~240V AC 50/60Hz universal
Weight	1.45 kg (3.20 lbs)
Dimensions (W x D x H)	32.34 x 21.56 x 1.92 ~ 1.92 cm (12.73" x 8.49" x 0.76" ~ 0.76")
Built-in Apps	MyASUS
MyASUS Features	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect AppDeals Link to MyASUS
Microsoft Office	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Student 2021 included Microsoft 365 Personal 1-year included.* *Activation required with 6-months of Windows activation date. Microsoft Office Home & Business 2021
Military Grade	US MIL-STD 810H military-grade standard
Ecolabels & Compliances	EPEAT Silver Energy star 8.0 RoHS REACH
Security	HDD User Password Protection and Security BIOS Booting User Password Protection Computrace ready from BIOS Trusted Platform Module (TPM) 2.0 Trusted Platform Module (Firmware TPM) Kensington Security Slot™ Fingerprint sensor integrated with Power Key
Included in the Box (Optional)	Wired optical mouse (USB) Wireless optical mouse Carry bag Backpack
Disclaimer	*Endless OS does not support following functions. · Smart card & smart card reader · Finger print scanner · Internal dia-up modem · Expansion ports: serial/parallel port devices · Asus Number Pad

HDMI ®
HIGH-DEFINITION MULTIMEDIA INTERFACE

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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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* 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.

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