

## ExpertBook B1 (B1500, 11th Gen Intel)

Overview **Tech Specs** Support

Viewing 1 - 2 of 2



Model	B1500CEPE	B1500CEAE
Color	Star Black	Star Black
Operating System	<p>Windows 10 Pro - ASUS recommends Windows 11 Pro for business</p> <p>Windows 10 Home - ASUS recommends Windows 11 Pro for business</p> <p>Endless</p> <p>Non-preinstalled OS</p> <p>Windows 11 Pro - ASUS recommends Windows 11 Pro for business</p> <p>Windows 11 Home - ASUS recommends Windows 11 Pro for business</p>	<p>Windows 10 Pro - ASUS recommends Windows 11 Pro for business</p> <p>Windows 10 Home - ASUS recommends Windows 11 Pro for business</p> <p>Windows 10 Pro Education</p> <p>*Some devices for academic use will automatically be updated to Windows 10 Pro Education with the Windows 10 Anniversary Update. Features vary; see <a href="https://aka.ms/ProEducation">https://aka.ms/ProEducation</a> for Windows 10 Pro Education feature information.</p> <p>Endless</p> <p>Non-preinstalled OS</p> <p>Windows 11 Pro - ASUS recommends Windows 11 Pro for business</p> <p>Windows 11 Home - ASUS recommends Windows 11 Pro for business</p> <p>Windows 11 Pro Education</p> <p>*Some devices for academic use will automatically be updated to Windows 11 Pro Education with the Windows 11 Anniversary Update. Features vary; see <a href="https://aka.ms/ProEducation">https://aka.ms/ProEducation</a> for Windows 11 Pro Education feature information.</p>
Processor	<p>Intel® Core™ i7-1165G7 Processor 2.8 GHz (12M Cache, up to 4.7 GHz, 4 cores)</p> <p>Intel® Core™ i5-1135G7 Processor 2.4 GHz (8M Cache, up to 4.2 GHz, 4 cores)</p> <p>Intel® Core™ i3-1115G4 Processor 3.0 GHz (6M Cache, up to 4.1 GHz, 2 cores)</p>	<p>Intel® Core™ i3-1115G4 Processor 3.0 GHz (6M Cache, up to 4.1 GHz, 2 cores)</p> <p>Intel® Core™ i5-1135G7 Processor 2.4 GHz (8M Cache, up to 4.2 GHz, 4 cores)</p> <p>Intel® Core™ i7-1165G7 Processor 2.8 GHz (12M Cache, up to 4.7 GHz, 4 cores)</p> <p>Intel® Pentium® Gold 7505 Processor 2.0 GHz (4M Cache, up to 3.5 GHz, 2 cores)</p> <p>Intel® Celeron® 6305 Processor 1.8 GHz (4M Cache, up to 1.8 GHz, 2 cores)</p>
Graphics	<p>Intel Iris X® Graphics (available for Intel® Core™ i5/i7/i9 with dual channel memory), NVIDIA® GeForce® MX330</p> <p>Intel® UHD Graphics, NVIDIA® GeForce® MX330</p>	<p>Intel® UHD Graphics</p> <p>Intel Iris X® Graphics (available for Intel® Core™ i5/i7/i9 with dual channel memory)</p>
Display	<p>Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Wide view, Anti-glare display, LED Backlit, 250nits, NTSC: 45%, Screen-to-body ratio:90 %</p> <p>Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Anti-glare display, LED Backlit, 220nits, NTSC: 45%, Screen-to-body ratio:90 %</p> <p>Non-touch screen, 15.6-inch, HD (1366 x 768) 16:9, Anti-glare display, LED Backlit, 220nits, NTSC: 45%, Screen-to-body ratio:90 %</p> <p>Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Wide view, Anti-glare display, LED Backlit, 250nits, NTSC: 45%, Screen-to-body ratio:90 %</p> <p>Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Anti-glare display, LED Backlit, 220nits, NTSC: 45%, Screen-to-body ratio:90 %</p>	<p>Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Wide view, Anti-glare display, LED Backlit, 250nits, NTSC: 45%, Screen-to-body ratio:90 %</p> <p>Non-touch screen, 15.6-inch, HD (1366 x 768) 16:9, Anti-glare display, LED Backlit, 220nits, NTSC: 45%, Screen-to-body ratio:90 %</p> <p>Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Anti-glare display, LED Backlit, 220nits, NTSC: 45%, Screen-to-body ratio:90 %</p> <p>Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Wide view, Anti-glare display, LED Backlit, 250nits, NTSC: 45%, Screen-to-body ratio:90 %</p> <p>Non-touch screen, 15.6-inch, FHD (1920 x 1080) 16:9, Anti-glare display, LED Backlit, 220nits, NTSC: 45%, Screen-to-body ratio:90 %</p>
Memory	<p>16GB DDR4 on board, Memory Max Up to:48GB</p> <p>8GB DDR4 on board, Memory Max Up to:40GB</p> <p>16GB DDR4 on board, 16GB DDR4 SO-DIMM, Memory Max Up to:48GB</p> <p>8GB DDR4 on board, 8GB DDR4 SO-DIMM, Memory Max Up to:40GB</p> <p>8GB DDR4 on board, 16GB DDR4 SO-DIMM, Memory Max Up to:40GB</p> <p>4GB DDR4 on board, Memory Max Up to:36GB</p> <p>4GB DDR4 on board, 4GB DDR4 SO-DIMM, Memory Max Up to:36GB</p> <p>16GB DDR4 on board</p>	<p>8GB DDR4 on board, Memory Max Up to:40GB</p> <p>16GB DDR4 on board, Memory Max Up to:48GB</p> <p>4GB DDR4 on board, 8GB DDR4 SO-DIMM, Memory Max Up to:36GB</p> <p>8GB DDR4 on board, 8GB DDR4 SO-DIMM, Memory Max Up to:40GB</p> <p>4GB DDR4 on board, 4GB DDR4 SO-DIMM, Memory Max Up to:36GB</p> <p>4GB DDR4 on board, Memory Max Up to:36GB</p> <p>16GB DDR4 on board, 16GB DDR4 SO-DIMM, Memory Max Up to:48GB</p> <p>8GB DDR4 on board, 16GB DDR4 SO-DIMM, Memory Max Up to:40GB</p>
Storage	<p>1TB SATA 5400RPM 2.5" HDD, 256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 5400RPM 2.5" HDD, 512GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>512GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 5400RPM 2.5" HDD, 1TB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>2TB SATA 5400RPM 2.5" HDD, 512GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>2TB SATA 5400RPM 2.5" HDD, 256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 7200RPM 2.5" HDD, 512GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 5400RPM 2.5" HDD</p> <p>1TB SATA 5400RPM 2.5" HDD, 128GB M.2 NVMe™ PCIe® 3.0 SSD</p>	<p>256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>512GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 5400RPM 2.5" HDD, 128GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 5400RPM 2.5" HDD</p> <p>1TB SATA 5400RPM 2.5" HDD, 256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 5400RPM 2.5" HDD, 512GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>2TB SATA 5400RPM 2.5" HDD, 512GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>128GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>2TB SATA 5400RPM 2.5" HDD</p> <p>2TB SATA 5400RPM 2.5" HDD, 256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 7200RPM 2.5" HDD, 256GB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 7200RPM 2.5" HDD, 1TB M.2 NVMe™ PCIe® 3.0 SSD</p> <p>1TB SATA 7200RPM 2.5" HDD, 512GB M.2 NVMe™ PCIe® 3.0 SSD</p>

<b>I/O Ports</b>	<p>1x USB 2.0 Type-A  1x USB 3.2 Gen 1 Type-C support display / power delivery  2x USB 3.2 Gen 2 Type-A  1x Thunderbolt™ 4, compliant with USB4, supports display / power delivery(optional)  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  Micro SD card reader(optional)  *Thunderbolt 4 and MicroSD card reader are available on selected models and markets only.</p>	<p>1x USB 2.0 Type-A  1x USB 3.2 Gen 1 Type-C support display / power delivery  2x USB 3.2 Gen 2 Type-A  1x Thunderbolt™ 4, compliant with USB4, supports display / power delivery(optional)  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(optional)  Micro SD card reader  *Thunderbolt 4 and MicroSD card reader are available on selected models and markets only.</p>
<b>Expansion Slots</b>	<p>1x DDR4 SO-DIMM slot  1x M.2 2280 PCIe 3.0x2  1x STD 2.5" SATA HDD</p>	<p>1x DDR4 SO-DIMM slot  1x M.2 2280 PCIe 3.0x2  1x STD 2.5" SATA HDD</p>
<b>Keyboard &amp; Touchpad</b>	<p>Backlit Chiclet Keyboard with Num-key, 1.5mm Key-travel, Spill-resistant Keyboard  Chiclet Keyboard with Num-key, 1.5mm Key-travel, Spill-resistant Keyboard</p>	<p>Backlit Chiclet Keyboard with Num-key, 1.5mm Key-travel, Spill-resistant Keyboard  Chiclet Keyboard with Num-key, 1.5mm Key-travel, Spill-resistant Keyboard  Backlit Chiclet Keyboard, 1.5mm Key-travel, Spill-resistant Keyboard  Chiclet Keyboard, 1.5mm Key-travel, Spill-resistant Keyboard</p>
<b>Camera</b>	<p>720p HD camera  With privacy shutter</p>	<p>720p HD camera  Without camera  With privacy shutter</p>
<b>Audio</b>	<p>Built-in speaker  Built-in array microphone with Cortana support</p>	<p>Built-in speaker  Built-in array microphone with Cortana support</p>
<b>Network and Communication</b>	<p>Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card</p>	<p>Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card</p>
<b>Battery</b>	<p>42WHrs, 351P, 3-cell Li-ion</p>	<p>42WHrs, 351P, 3-cell Li-ion</p>
<b>Power Supply</b>	<p>ø4.5, 90W AC Adapter, Output: 19V DC, 4.74A, 90W, Input: 100~240V AC 50/60Hz universal</p>	<p>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</p>
<b>Weight</b>	<p>1.73 kg (3.81 lbs)</p>	<p>1.73 kg (3.81 lbs)</p>
<b>Dimensions (W x D x H)</b>	<p>35.80 x 23.65 x 1.94 ~ 1.94 cm (14.09" x 9.31" x 0.76" ~ 0.76")</p>	<p>35.80 x 23.65 x 1.94 ~ 1.94 cm (14.09" x 9.31" x 0.76" ~ 0.76")</p>
<b>Built-in Apps</b>	<p>MyASUS</p>	<p>MyASUS</p>
<b>MyASUS Features</b>	<p>System diagnosis  Battery health charging  Fan Profile  Splendid  Tru2Life  Function key lock  WiFi SmartConnect  AppDeals  Link to MyASUS</p>	<p>System diagnosis  Battery health charging  Fan Profile  Splendid  Tru2Life  Function key lock  WiFi SmartConnect  AppDeals  Link to MyASUS</p>
<b>Microsoft Office</b>	<p>1-month trial for new Microsoft 365 customers. Credit card required.  Microsoft Office Home &amp; Business 2021</p>	<p>1-month trial for new Microsoft 365 customers. Credit card required.  WPS Office 30 days trial version  Office Home and Student 2021 included  Microsoft Office Home &amp; Business 2021</p>
<b>Military Grade</b>	<p>US MIL-STD 810H military-grade standard</p>	<p>US MIL-STD 810H military-grade standard</p>
<b>Ecolabels &amp; Compliances</b>	<p>EPEAT Silver  Energy star  Energy star 8.0  EPEAT  RoHS  REACH</p>	<p>EPEAT Silver  Energy star 8.0  RoHS  REACH</p>
<b>Security</b>	<p>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</p>	<p>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</p>
<b>Included in the Box (Optional)</b>	<p>Wireless optical mouse  Wired optical mouse (USB)  Carry bag  Backpack</p>	<p>Wired optical mouse (USB)  Wireless optical mouse  Backpack  Carry bag</p>

## 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

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## Optical Drive

External DVD writer 8X



- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.
- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
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- PCB color and bundled software versions are subject to change without notice.
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- The terms HDMI and HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

\*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.

Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Itanium, Itanium Inside, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Phi, and Xeon Inside are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

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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.

**ASUS** Laptops For Work ExpertBook ExpertBook B1 (B1500, 11th Gen Intel)

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