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ASUS ExpertBook B5 (B5604)

Overview   Tech Specs

Model	B5604CVA	B5604CVF	B5604CMA
Color	Star Black	Star Black	Star Black
Operating System	Windows 11 Pro - ASUS recommends Windows 11 Pro for business Non-preinstalled OS	Non-preinstalled OS Windows 11 Pro - ASUS recommends Windows 11 Pro for business	Windows 11 Pro - ASUS recommends Windows 11 Pro for business Windows 11 Home - ASUS recommends Windows 11 Pro for business
Processor	Intel vPro® Essentials with Intel® Core™ i7-1360P processor 2.2 GHz (18M Cache, up to 5.0 GHz, 12 cores) Intel® Core™ 7 Processor 150U 1.8 GHz (12MB Cache, up to 5.4 GHz, 10 Cores) Intel® Core™ i5-1335U Processor 1.3GHz (12M Cache, up to 4.6GHz, 10 cores) Intel® Core™ i7-1355U Processor 1.7GHz (12M Cache, up to 5GHz,10 cores)	Intel® Core™ i5-1335U Processor 1.3GHz (12M Cache, up to 4.6GHz, 10 cores) Intel® Core™ i7-1355U Processor 1.7GHz (12M Cache, up to 5GHz,10 cores)	Intel® Core™ Ultra 7 Processor 155H 1.4 GHz (24MB Cache, up to 4.8 GHz, 16 Cores); Intel® AI Boost NPU Intel® Core™ Ultra 5 Processor 125H 1.2 GHz (18MB Cache, up to 4.5 GHz, 14 Cores); Intel® AI Boost NPU
Graphics	Intel Iris Xᵉ Graphics (available for Intel® Core™ i5/i7/i9 with dual channel memory) Intel® Graphics	Intel Iris Xᵉ Graphics (available for Intel® Core™ i5/i7/i9 with dual channel memory), NVIDIA® GeForce® RTX 2050	Intel® Arc™ Graphics(available for Intel® Core™ Ultra H 5/7/9 with dual channel memory) Intel® Graphics
Display	Non-touch screen, 16.0-inch, WUXGA (1920 x 1200) 16:10, Wide view, Anti-glare display, LED Backlit, 300nits, NTSC: 45%, Screen-to-body ratio:85 % Non-touch screen, 16.0-inch, WQXGA (2560 x 1600) 16:10, Wide view, Anti-glare display, LED Backlit, 500nits, Screen-to-body ratio:85 % Non-touch screen, 16.0-inch, WUXGA (1920 x 1200) 16:10, Wide view, Anti-glare display, LED Backlit, 400nits, Screen-to-body ratio:85 %	Non-touch screen, 16.0-inch, WUXGA (1920 x 1200) 16:10, Wide view, Anti-glare display, LED Backlit, 300nits, NTSC: 45%, Screen-to-body ratio:85 % Touch screen, 16.0-inch, WUXGA (1920 x 1200) 16:10, Wide view, Anti-glare display, LED Backlit, 300nits, NTSC: 45%, Screen-to-body ratio:85 %, With stylus support Touch screen, 16.0-inch, WQXGA (2560 x 1600) 16:10, Wide view, Anti-glare display, LED Backlit, 500nits, DCI-P3: 100%, Screen-to-body ratio:85 %, With stylus support Non-touch screen, 16.0-inch, WQXGA (2560 x 1600) 16:10, Wide view, Anti-glare display, LED Backlit, 500nits, DCI-P3: 100%, Screen-to-body ratio:85 %	Non-touch screen, 16.0-inch, WQXGA (2560 x 1600) 16:10, Wide view, Anti-glare display, LED Backlit, 500nits, DCI-P3: 100%, Screen-to-body ratio:85 % Non-touch screen, 16.0-inch, WUXGA (1920 x 1200) 16:10, Wide view, Anti-glare display, LED Backlit, 300nits, NTSC: 45%, Screen-to-body ratio:85 %
Memory	16GB DDR5 SO-DIMM x 2 32GB DDR5 SO-DIMM x 2 8GB DDR5 SO-DIMM 8GB DDR5 SO-DIMM x 2	16GB DDR5 SO-DIMM, Memory Max Up to:64GB 16GB DDR5 SO-DIMM x 2, Memory Max Up to:64GB 32GB DDR5 SO-DIMM x 2, Memory Max Up to:64GB 8GB DDR5 SO-DIMM x 2, Memory Max Up to:64GB	16GB DDR5 SO-DIMM x 2 8GB DDR5 SO-DIMM
Storage	1TB M.2 2280 NVMe™ PCIe® 4.0 SSD 512GB M.2 2280 NVMe™ PCIe® 4.0 Performance SSD 1TB M.2 2280 NVMe™ PCIe® 4.0 Performance SSD	1TB M.2 2280 NVMe™ PCIe® 4.0 SSD 1TB M.2 2280 NVMe™ PCIe® 4.0 Performance SSD 512GB M.2 2280 NVMe™ PCIe® 4.0 SSD	2TB M.2 2280 NVMe™ PCIe® 4.0 Performance SSD 256GB M.2 2280 NVMe™ PCIe® 4.0 SSD
I/O Ports	2x USB 3.2 Gen 2 Type-A 2x Thunderbolt™ 4, compliant with USB4, supports display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet Smart card reader	2x USB 3.2 Gen 2 Type-A 2x Thunderbolt™ 4, compliant with USB4, supports display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet Smart card reader	2x USB 3.2 Gen 2 Type-A 2x Thunderbolt™ 4, compliant with USB4, supports display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet Smart card reader
Expansion Slots(includes used)	2x DDR5 SO-DIMM slots 1x M.2 2280 PCIe 4.0x4	2x DDR5 SO-DIMM slots 1x M.2 2280 PCIe 4.0x4	2x DDR5 SO-DIMM slots 1x M.2 2280 PCIe 4.0x4 1x M.2 2230 PCIe 4.0x4
Keyboard & Touchpad	Backlit Chiclet Keyboard, 1.5mm Key-travel, Spill-resistant Keyboard	Backlit Chiclet Keyboard, 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
Camera	1080p FHD camera With privacy shutter	1080p FHD camera With privacy shutter	1080p FHD camera With privacy shutter

Audio	Dolby Atmos Built-in speaker Built-in array microphone with Cortana support	Dolby Atmos Built-in speaker Built-in array microphone with Cortana support	Dolby Atmos Built-in array microphone with Cortana support
Network and Communication	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card Wi-Fi 6E(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	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card 4G LTE support (in selected territories)
Battery	50WHrs, 3S1P, 3-cell Li-ion 63WHrs, 3S1P, 3-cell Li-ion Long life rechargeable lithium polymer battery.	63WHrs, 3S1P, 3-cell Li-ion Long life rechargeable lithium polymer battery.	50WHrs, 3S1P, 3-cell Li-ion Long life rechargeable lithium polymer battery.
Power Supply	TYPE-C, 65W AC Adapter, Output: 20V DC, 3.25A, 65W, Input: 100~240V AC 50/60Hz universal	TYPE-C, 90W AC Adapter, Output: 20V DC, 4.5A, 90W, 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
Weight	1.65 kg (3.64 lbs) 1.70 kg (3.75 lbs)	1.76 kg (3.88 lbs)	1.65 kg (3.64 lbs)
Dimensions (W x D x H)	35.80 x 25.43 x 1.89 ~ 2.29 cm (14.09" x 10.01" x 0.74" ~ 0.90")	35.80 x 25.43 x 1.89 ~ 2.29 cm (14.09" x 10.01" x 0.74" ~ 0.90")	35.80 x 25.43 x 1.89 ~ 2.29 cm (14.09" x 10.01" x 0.74" ~ 0.90")
Built-in Apps	MyASUS McAfee	MyASUS McAfee	MyASUS McAfee
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	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	US MIL-STD 810H military-grade standard
Ecolabels & Compliances	EPEAT Gold Energy star 8.0 FSC Recycled RoHS REACH	EPEAT Gold Energy star 8.0 FSC Recycled RoHS REACH	EPEAT Gold Energy star 8.0 FSC Recycled RoHS REACH
Security	HDD User Password Protection and Security BIOS Booting User Password Protection Computrace ready from BIOS Trusted Platform Module (TPM) 2.0 BIOS setup user password Fingerprint sensor integrated with Power Key Kensington Nano Security Slot™(6x 2.5mm)	HDD User Password Protection and Security BIOS Booting User Password Protection Computrace ready from BIOS Trusted Platform Module (TPM) 2.0 BIOS setup user password Fingerprint sensor integrated with Power Key Kensington Nano Security Slot™(6x 2.5mm)	HDD User Password Protection and Security BIOS Booting User Password Protection Computrace ready from BIOS Trusted Platform Module (Firmware TPM) BIOS setup user password Fingerprint sensor integrated with Power Key Kensington Nano Security Slot™(6x 2.5mm)

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*¹The 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.

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