ASUS Vivobook Pro 15 OLED (K6500, 12th Gen Intel)

Overview   Laptop-OLED   Tech Specs   Review   Support

Model	K6500ZC	K6500ZE	K6500ZH
Color	Quiet Blue Cool Silver	Quiet Blue Cool Silver	Quiet Blue Cool Silver
Operating System	No preinstalled OS Windows 11 Home - 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 No preinstalled OS Windows 11 Pro - ASUS recommends Windows 11 Pro for business	Windows 11 Home - 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. No preinstalled OS Windows 11 Pro - ASUS recommends Windows 11 Pro for business
Processor	Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 6P+8E cores) Intel® Core™ i5-12500H Processor 2.5 GHz (18M Cache, up to 4.5 GHz, 4P+8E cores) Intel®Core™ i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) Intel®Core™ i5-12450H Processor 2.0 GHz (12M Cache, up to 4.4 GHz, 8 cores)	Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 6P+8E cores) Intel®Core™ i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) Intel®Core™ i5-12450H Processor 2.0 GHz (12M Cache, up to 4.4 GHz, 8 cores) Intel® Core™ i5-12500H Processor 2.5 GHz (18M Cache, up to 4.5 GHz, 4P+8E cores)	Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 6P+8E cores) Intel®Core™ i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores) Intel®Core™ i5-12450H Processor 2.0 GHz (12M Cache, up to 4.4 GHz, 8 cores) Intel® Core™ i5-12500H Processor 2.5 GHz (18M Cache, up to 4.5 GHz, 4P+8E cores)
Graphics	Intel® Iris Xe Graphics NVIDIA® GeForce® RTX™ 3050 Laptop GPU Boost up to 1057.5MHz at 35W (50W with Dynamic Boost) NVIDIA Max-Q technology for peak performance and efficiency 4GB GDDR6 *Intel Iris X® Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory. Intel® UHD Graphics NVIDIA® GeForce® RTX™ 3050 Laptop GPU Boost up to 1057.5MHz at 35W (50W with Dynamic Boost) NVIDIA Max-Q technology for peak performance and efficiency 4GB GDDR6 *Intel Iris X® Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.	Intel® Iris Xe Graphics Intel® UHD Graphics NVIDIA® GeForce® RTX™ 3050 Ti Laptop GPU Boost up to 1035MHz at 35W (50W with Dynamic Boost) NVIDIA Max-Q technology for peak performance and efficiency 4GB GDDR6 *Intel Iris X® Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.	Intel® Iris Xe Graphics Intel® UHD Graphics NVIDIA® GeForce® GTX 1650 Max Q 4GB GDDR6 *Intel Iris X® Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.
Display	15.6-inch, 2.8K (2880 x 1620) OLED 16:9 aspect ratio, 0.2ms response time, 120Hz refresh rate, 600nits HDR peak brightness, 100% DCI-P3 color gamut,	15.6-inch 2.8K (2880 x 1620) OLED 16:9 aspect ratio FHD (1920 x 1080) OLED 16:9 aspect	15.6-inch 2.8K (2880 x 1620) OLED 16:9 aspect ratio 0.2ms response time

	Column 1	Column 2	Column 3
	1,000,000:1, VESA CERTIFIED Display HDR True Black 600, 1.07 billion colors, PANTONE Validated, Glossy display, 70% less harmful blue light, TÜV Rheinland-certified, Non-touch screen, (Screen-to-body ratio)84% 15.6-inch, FHD (1920 x 1080) OLED 16:9 aspect ratio, 0.2ms response time, 60Hz refresh rate, 600nits HDR peak brightness, 100% DCI-P3 color gamut, 1,000,000:1, VESA CERTIFIED Display HDR True Black 600, 1.07 billion colors, PANTONE Validated, Glossy display, 70% less harmful blue light, TÜV Rheinland-certified, Non-touch screen, (Screen-to-body ratio)84%	ratio 0.2ms response time 120Hz refresh rate 60Hz refresh rate 600nits HDR peak brightness 100% DCI-P3 color gamut 1,000,000:1 VESA CERTIFIED Display HDR True Black 600 1.07 billion colors PANTONE Validated Glossy display 70% less harmful blue light TÜV Rheinland-certified Non-touch screen (Screen-to-body ratio)84%	120Hz refresh rate 600nits HDR peak brightness 100% DCI-P3 color gamut 1,000,000:1 VESA CERTIFIED Display HDR True Black 600 1.07 billion colors PANTONE Validated Glossy display 70% less harmful blue light TÜV Rheinland-certified Non-touch screen (Screen-to-body ratio)84%
Memory	16GB LPDDR5 on board Total system memory upgradeable to:16GB *Supports dual-channel memory.	16GB LPDDR5 on board Total system memory upgradeable to:16GB *Supports dual-channel memory.	16GB LPDDR5 on board 8GB LPDDR5 on board Total system memory upgradeable to:16GB Total system memory upgradeable to:8GB *Supports dual-channel memory.
Storage	512GB M.2 NVMe™ PCIe® 4.0 Performance SSD 1TB M.2 NVMe™ PCIe® 4.0 Performance SSD 512GB M.2 NVMe™ PCIe® 4.0 SSD 512GB M.2 NVMe™ PCIe® 3.0 SSD 1TB M.2 NVMe™ PCIe® 3.0 SSD	1TB M.2 NVMe™ PCIe® 4.0 Performance SSD 1TB M.2 NVMe™ PCIe® 3.0 SSD 512GB M.2 NVMe™ PCIe® 4.0 Performance SSD 512GB M.2 NVMe™ PCIe® 3.0 SSD 1TB M.2 NVMe™ PCIe® 4.0 SSD	256GB M.2 NVMe™ PCIe® 4.0 SSD 512GB M.2 NVMe™ PCIe® 3.0 SSD 1TB M.2 NVMe™ PCIe® 3.0 SSD 512GB M.2 NVMe™ PCIe® 4.0 Performance SSD 1TB M.2 NVMe™ PCIe® 4.0 SSD
I/O Ports	1x USB 3.2 Gen 1 Type-A 2x USB 2.0 Type-A 1x Thunderbolt™ 4 supports display / power delivery 1x HDMI 2.1 FRL 1x 3.5mm Combo Audio Jack 1x DC-in Micro SD card reader	1x USB 3.2 Gen 1 Type-A 2x USB 2.0 Type-A 1x Thunderbolt™ 4 supports display / power delivery 1x HDMI 2.1 FRL 1x 3.5mm Combo Audio Jack 1x DC-in Micro SD card reader	1x USB 3.2 Gen 1 Type-A 2x USB 2.0 Type-A 1x Thunderbolt™ 4 supports display / power delivery 1x HDMI 2.1 FRL 1x 3.5mm Combo Audio Jack 1x DC-in Micro SD card reader
Keyboard & Touchpad	Backlit Chiclet Keyboard with Num-key, 1.4mm Key-travel, Touchpad	Backlit Chiclet Keyboard with Num-key 1.4mm Key-travel Touchpad	Backlit Chiclet Keyboard with Num-key 1.4mm Key-travel Touchpad
Camera	1080p FHD camera With privacy shutter	1080p FHD camera With privacy shutter	1080p FHD camera With privacy shutter
Audio	Smart Amp Technology Built-in speaker Built-in array microphone harman/kardon (Mainstream) with Cortana and Alexa voice-recognition support	Smart Amp Technology Built-in speaker Built-in array microphone harman/kardon (Mainstream) with Cortana and Alexa voice-recognition support	Smart Amp Technology Built-in speaker Built-in array microphone harman/kardon (Mainstream) with Cortana and Alexa voice-recognition support
Network and Communication	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5
Battery	70WHrs, 3S1P, 3-cell Li-ion	70WHrs, 3S1P, 3-cell Li-ion	70WHrs, 3S1P, 3-cell Li-ion
Power Supply	ø4.5, 150W AC Adapter, Output: 20V DC, 7.5A, 150W, Input: 100~240V AC, 50/60Hz universal	ø4.5, 150W AC Adapter, Output: 20V DC, 7.5A, 150W, Input: 100~240V AC, 50/60Hz universal	ø4.5, 150W AC Adapter, Output: 20V DC, 7.5A, 150W, Input: 100~240V AC, 50/60Hz universal
Weight	1.80 kg (3.97 lbs)	1.80 kg (3.97 lbs)	1.80 kg (3.97 lbs)

Dimensions (W x D x H)	35.98 x 23.43 x 1.89 ~ 1.99 cm (14.17" x 9.22" x 0.74" ~ 0.78")	35.98 x 23.43 x 1.89 ~ 1.99 cm (14.17" x 9.22" x 0.74" ~ 0.78")	35.98 x 23.43 x 1.89 ~ 1.99 cm (14.17" x 9.22" x 0.74" ~ 0.78")
Built-in Apps	MyASUS ProArt Creator Hub ScreenXpert GlideX	MyASUS ProArt Creator Hub ScreenXpert GlideX	MyASUS ProArt Creator Hub ScreenXpert GlideX
MyASUS Features	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update AI Noise Canceling	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update AI Noise Canceling	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update AI Noise Canceling
ASUS Exclusive technology	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard
Microsoft Office	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Student 2021 included WPS Office Standard Edition (With license for 3 products)	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Student 2021 included Microsoft Office Home & Business 2021	1-month trial for new Microsoft 365 customers. Credit card required.
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	Energy star 8.0 RoHS REACH	Energy star 8.0 RoHS REACH	Energy star 8.0 RoHS REACH
Security	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) McAfee® LiveSafe™ Fingerprint sensor integrated with Power Key	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) McAfee® LiveSafe™ Fingerprint sensor integrated with Power Key	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) McAfee® LiveSafe™ Fingerprint sensor integrated with Power Key
Included in the Box	Wired optical mouse (USB) Backpack Carry bag * Included accessories vary according to country and territory. Please check with your local ASUS retailer for details.	Backpack * Included accessories vary according to country and territory. Please check with your local ASUS retailer for details.	Carry bag Backpack * Included accessories vary according to country and territory. Please check with your local ASUS retailer for details.
Disclaimer	This product has only been tested for compatibility with the Windows 11 operating system, and may encounter compatibility issues if Windows 10 or older OS versions are installed.	This product has only been tested for compatibility with the Windows 11 operating system, and may encounter compatibility issues if Windows 10 or older OS versions are installed.	This product has only been tested for compatibility with the Windows 11 operating system, and may encounter compatibility issues if Windows 10 or older OS versions are installed.

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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). †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).

- 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.

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