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ASUS Vivobook Pro 15 OLED (K6502)

Overview   Laptop-OLED   Specifications   Review   Support

Model	K6502ZC	K6502HE	K6502VU
Colour	Quiet Blue	Quiet Blue	Cool Silver
Operating System	Windows 11 Home - ASUS recommends Windows 11 Pro for business	Windows 11 Home - ASUS recommends Windows 11 Pro for business	Windows 11 Home - ASUS recommends Windows 11 Pro for business
Processor	Intel®Core™ i7-12650H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 10 cores)	Intel® Core™ i9-11900H Processor 2.5 GHz (24M Cache, up to 4.9 GHz, 8 cores)	Intel® Core™ i7-13700H Processor 2.4 GHz (24MB Cache, up to 5.0 GHz, 14 cores, 20 Threads)
Graphics	NVIDIA® GeForce® RTX™ 3050 Laptop GPU 4GB GDDR6 Intel® Iris Xe Graphics *Intel Iris Xᵉ Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.	NVIDIA® GeForce® RTX™ 3050 Ti Laptop GPU 4GB GDDR6 Intel® UHD Graphics *Intel Iris Xᵉ Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.	NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 Intel® Iris Xe Graphics *Intel Iris Xᵉ Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.
Display	15.6-inch, FHD (1920 x 1080) 16:9 aspect ratio, IPS-level Panel, LED Backlit, 144Hz refresh rate, 250nits, 100% sRGB color gamut, PANTONE Validated, Anti-glare display, TÜV Rheinland-certified, Non-touch screen, - (Screen-to-body ratio)84%	15.6-inch, 2.8K (2880 x 1620) OLED 16:9 aspect ratio, 0.2ms response time, 120Hz refresh rate, 400nits, 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%	15.6-inch, 3K (2880 x 1620) OLED 16:9 aspect ratio, 0.2ms response time, 120Hz refresh rate, 400nits, 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 DDR4 on board - Max total system memory up to: 32GB *Dual-channel memory support requires at least one SO-DIMM module.	16GB DDR4 on board - Max total system memory up to: 16GB *Supports dual-channel memory.	8GB DDR5 on board 8GB DDR5 SO-DIMM - Max total system memory up to: 16GB *Dual-channel memory support requires at least one SO-DIMM module.
Storage	1TB M.2 NVMe™ PCIe® 3.0 SSD	1TB M.2 NVMe™ PCIe® 3.0 SSD	512GB M.2 NVMe™ PCIe® 4.0 SSD 1TB M.2 NVMe™ PCIe® 4.0 SSD
Expansion Slots (includes used)	- 1x DDR4 SO-DIMM slot - 2x M.2 2280 PCIe 4.0x4	- 2x M.2 2280 PCIe 4.0x4	- 1x DDR5 SO-DIMM slot - 2x M.2 2280 PCIe 4.0x4
I/O Ports	1x USB 3.2 Gen 2 Type-C support power delivery 2x USB 3.2 Gen 1 Type-A 1x Thunderbolt™ 4 supports display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet 1x DC-in SD 4.0 card reader	1x USB 3.2 Gen 2 Type-C support power delivery 2x USB 3.2 Gen 1 Type-A 1x Thunderbolt™ 4 supports display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet 1x DC-in SD Express 7.0 card reader	1x USB 3.2 Gen 2 Type-C support display / power delivery 2x USB 3.2 Gen 1 Type-A 1x Thunderbolt™ 4 supports display / power delivery 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet 1x DC-in SD 4.0 card reader
Keyboard & Touchpad	Backlit Chiclet Keyboard, 1.4mm Key-travel, Touchpad	Backlit Chiclet Keyboard, 1.4mm Key-travel, Touchpad	Backlit Chiclet Keyboard, 1.4mm Key-travel, Precision touchpad
Camera	1080p FHD camera With privacy shutter	1080p FHD camera With privacy shutter	1080p FHD camera With privacy shutter
Audio	Built-in microphone harman/kardon (Mainstream) with Cortana voice-recognition support	Built-in microphone harman/kardon (Mainstream) with Cortana voice-recognition support	Built-in microphone harman/kardon (Mainstream) with Cortana voice-recognition support
Network and Communication	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)	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 (*Bluetooth® version may change with OS version different.)
Battery	50WHrs, 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,	ø4.5, 150W AC Adapter, Output: 20V DC, 7.5A, 150W, Input: 100~240V AC,	ø4.5, 150W AC Adapter, Output: 20V DC, 7.5A, 150W, Input: 100~240V AC,

	50/60Hz universal	50/60Hz universal	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)	35.63 x 23.53 x 1.90 ~ 2.00 cm (14.03" x 9.26" x 0.75" ~ 0.79")	35.63 x 23.53 x 1.90 ~ 2.00 cm (14.03" x 9.26" x 0.75" ~ 0.79")	35.63 x 23.53 x 1.90 ~ 2.00 cm (14.03" x 9.26" x 0.75" ~ 0.79")
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 ASUS OLED Care QC fastcharge AI Noise Canceling	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update ASUS OLED Care QC fastcharge AI Noise Canceling	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update ASUS OLED Care AI Noise Canceling Wi-Fi Rangeboost AdaptiveLock
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.	1-month trial for new Microsoft 365 customers. Credit card required.	
Ecolabels & Compliances	Energy star 8.0 RoHS REACH	Energy star 8.0 RoHS REACH	EPEAT Silver (Intel 13th generation model) Energy star 8.0 RoHS REACH
Security	Trusted Platform Module (Firmware TPM) McAfee® Fingerprint sensor integrated with Power Key	Trusted Platform Module (Firmware TPM) McAfee® Fingerprint sensor integrated with Power Key	Trusted Platform Module (Firmware TPM) McAfee® Fingerprint sensor integrated with Power Key
Disclaimer	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) 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.
OLED		OLED	OLED
Military Grade			US MIL-STD 810H military-grade standard

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
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