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ASUS Vivobook 16 OLED (M1605)

Overview   Tech Specs   Review   Support

Model	M1605YA	M1605XA
Color	Indie Black Cool Silver	Indie Black Cool Silver
Operating System	Windows 11 Home - ASUS recommends Windows 11 Pro for business Windows 11 Pro - 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
Processor	AMD Ryzen™ 5 7530U Mobile Processor 2.0GHz (6-core/12-thread, 16MB cache, up to 4.5 GHz max boost) AMD Ryzen™ 7 7730U Mobile Processor 2.0GHz (8-core/16-thread, 16MB cache, up to 4.5 GHz max boost) AMD Ryzen™ 5 5625U Mobile Processor 2.3GHz (6-core/12-thread, 16MB cache, up to 4.3 GHz max boost) AMD Ryzen™ 7 5825U Mobile Processor 2.0GHz (8-core/16-thread, 16MB cache, up to 4.5 GHz max boost)	AMD Ryzen™ 9 7940HS Mobile Processor 4.0GHz (8-core/16-thread, 16MB cache, up to 5.2GHz max boost) AMD Ryzen™ 9 7940H Mobile Processor 4.0GHz (8-core/16-thread, 16MB cache, up to 5.2GHz max boost) AMD Ryzen™ 5 7640HS Mobile Processor 4.3GHz (6-core/12-thread, 16MB cache, up to 5.0GHz max boost)
Graphics	AMD Radeon™ Graphics	AMD Radeon™ Graphics
Display	16.0-inch, WUXGA (1920 x 1200) 16:10 aspect ratio, IPS-level Panel, LED Backlit, 60Hz refresh rate, 300nits, 45% NTSC color gamut, Anti-glare display, TÜV Rheinland-certified, Non-touch screen, (Screen-to-body ratio)86% 16.0-inch, WQXGA (2560 x 1600) 16:10 aspect ratio, LED Backlit, 0.2ms response time, 144Hz refresh rate, 400nits, 45% NTSC color gamut, Glossy display, 70% less harmful blue light, TÜV Rheinland-certified, Non-touch screen, (Screen-to-body ratio)86%	16.0-inch, 3.2K (3200 x 2000) OLED 16:10 aspect ratio, 0.2ms response time, 120Hz refresh rate, 440nits, 550nits HDR peak brightness, 100% DCI-P3 color gamut, 1,000,000:1, VESA CERTIFIED Display HDR True Black 500, 1.07 billion colors, PANTONE Validated, 70% less harmful blue light, TÜV Rheinland-certified, Non-touch screen, (Screen-to-body ratio)86% 16.0-inch, WUXGA (1920 x 1200) 16:10 aspect ratio, IPS-level Panel, LED Backlit, 60Hz refresh rate, 300nits, 45% NTSC color gamut, TÜV Rheinland-certified, Non-touch screen, (Screen-to-body ratio)86% 16.0-inch, WQXGA (2560 x 1600) 16:10 aspect ratio, IPS-level Panel, LED Backlit, 144Hz refresh rate, 400nits, 45% NTSC color gamut, TÜV Rheinland-certified, Non-touch screen, (Screen-to-body ratio)86%
Memory	8GB DDR4 on board Total system memory upgradeable to:16GB 8GB DDR4 on board 8GB DDR4 SO-DIMM Total system memory upgradeable to:16GB	8GB DDR5 on board 8GB DDR5 SO-DIMM Total system memory upgradeable to:16GB 8GB DDR5 on board Total system memory upgradeable to:16GB
Storage	512GB M.2 NVMe™ PCIe® 3.0 SSD 1TB M.2 NVMe™ PCIe® 3.0 SSD 256GB 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® 4.0 SSD
Expansion Slots (includes used)	1x DDR4 SO-DIMM slot	1x DDR5 SO-DIMM slot
I/O Ports	1x USB 2.0 Type-A 1x USB 3.2 Gen 1 Type-C support power delivery 2x USB 3.2 Gen 1 Type-A 1x HDMI 1.4 1x 3.5mm Combo Audio Jack 1x DC-in	1x USB 2.0 Type-A 1x USB 3.2 Gen 1 Type-C support power delivery 2x USB 3.2 Gen 1 Type-A 1x HDMI 1.4 1x 3.5mm Combo Audio Jack 1x DC-in
Keyboard & Touchpad	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 Chiclet Keyboard with Num-key, 1.4mm Key-travel, Touchpad
Camera	720p HD camera With privacy shutter	720p HD camera With privacy shutter
Audio	SonicMaster Built-in speaker Built-in array microphone with Cortana voice-recognition support	SonicMaster Built-in speaker Built-in array microphone with Cortana voice-recognition support
Network and Communication	Wi-Fi 5(802.11ac) (Dual band) 1*1 + Bluetooth® 5.1 Wireless Card Wi-Fi 6E(802.11ax) (Dual band) 1*1 + Bluetooth® 5.3 Wireless Card	Wi-Fi 6E(802.11ax) (Dual band) 1*1 + Bluetooth® 5.3 Wireless Card Wi-Fi 5(802.11ac) (Dual band) 1*1 + Bluetooth® 5.1 Wireless Card

	M1605YA	M1605XA
Power Supply	ø4.5, 45W AC Adapter, Output: 19V DC, 2.37A, 45W, Input: 100~240V AC 50/60Hz universal	ø4.5, 90W AC Adapter, Output: 19V DC, 4.74A, 90W, Input: 100~240V AC 50/60Hz universal
Weight	1.88 kg (4.14 lbs)	1.88 kg (4.14 lbs)
Dimensions (W x D x H)	35.87 x 24.95 x 1.99 ~ 1.99 cm (14.12" x 9.82" x 0.78" ~ 0.78")	35.87 x 24.95 x 1.99 ~ 1.99 cm (14.12" x 9.82" x 0.78" ~ 0.78")
Built-in Apps	MyASUS ScreenXpert GlideX	MyASUS ScreenXpert GlideX
MyASUS Features	System diagnosis Battery health charging Fan Profile Splendid Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update ASUS Intelligent Performance Technology AI Noise Canceling	System diagnosis Battery health charging Fan Profile Splendid Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update ASUS OLED Care AI Noise Canceling
ASUS Exclusive technology	ASUS Antimicrobial Guard Plus	ASUS Antimicrobial Guard Plus
Microsoft Office	1-month trial for new Microsoft 365 customers. Credit card required. Microsoft Office Home & Student 2021 WPS Office Standard Edition (With license for 3 products) Microsoft Office Home & Business 2021	1-month trial for new Microsoft 365 customers. Credit card required. Microsoft Office Home & Student 2021
Military Grade	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
Security	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) BIOS setup user password McAfee® LiveSafe™ Fingerprint sensor integrated with Touchpad	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) BIOS setup user password Microsoft Pluton security processor McAfee® LiveSafe™ Fingerprint sensor integrated with Touchpad
Included in the Box	Wired optical mouse (USB) Backpack * 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.
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.

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

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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). ²The 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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- 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.
- WiFi 6E availability may vary by country and their specific regulations. Feature only supported by Windows 11 or later.

* Result from Mobile Mark 2014 office productivity.

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M1605YA

M1605XA

For Creators	Gaming Cases	Keyboards	ASUS Support Videos	ASUS Cloud Corporation
For Students	Cooling	Mice and Mouse Pads	MyASUS	UniMax Electronics Inc.
For Gaming	Power Supply Units	Headsets and Audio		
Accessories	Sound Cards	Streaming Kits		
Displays / Desktops	Optical Drives	Apparel Bags and Gear		
Monitors	Data Storage	Cases and Protection		
Projectors	External Graphics Docks	Adapters and Chargers		
All-in-One PCs	Networking / IoT / Servers	Docks Dongles and Cable		
Tower PCs	WiFi 7	Power Banks		
Gaming Tower PCs	WiFi 6	Controller		
	WiFi Routers	Gimbal		
	Whole Home Mesh WiFi System			
	Business Network Solutions			