

## ASUS Vivobook 16 (X1605)

Overview

13th Gen Intel Overview

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Viewing 1 - 4 of 4



Model	X1605ZA	X1605EA	X1605PA	X1605VA
<b>Color</b>	Transparent Silver Indie Black	Transparent Silver Indie Black	Cool Silver Indie Black	Cool Silver Indie Black
<b>Operating System</b>	Windows 11 Home - ASUS recommends Windows 11 Pro for business No preinstalled OS Keep OS Windows 11 Pro - ASUS recommends Windows 11 Pro for business	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 Home - ASUS recommends Windows 11 Pro for business No preinstalled OS	Windows 11 Home - ASUS recommends Windows 11 Pro for business No preinstalled OS
<b>Processor</b>	Intel®Core™ i7-1255U Processor 1.7 GHz (12M Cache, up to 4.7 GHz, 10 cores) Intel®Core™ i3-1215U Processor 1.2 GHz (10M Cache, up to 4.4 GHz, 6 cores) Intel®Core™ i5-1235U Processor 1.3 GHz (12M Cache, up to 4.4 GHz, 10 cores) 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® Pentium Gold 8505 Processor 1.2 GHz (8MB Cache, up to 4.4 GHz, 5 cores, 6 Threads)	Intel® Core™ i5-1135G7 Processor 2.4 GHz (8M Cache, up to 4.2 GHz, 4 cores) Intel® Core™ i3-1115G4 Processor 3.0 GHz (6M Cache, up to 4.1 GHz, 2 cores) Intel® Core™ i7-1165G7 Processor 2.8 GHz (12M Cache, up to 4.7 GHz, 4 cores)	Intel® Core™ i5-11300H Processor 3.1 GHz (8M Cache, up to 4.4 GHz, 4 cores) Intel® Core™ i7-11370H Processor 3.3 GHz (12M Cache, up to 4.8 GHz, 4 cores)	Intel® Core™ i5-13500H Processor 2.6 GHz (18MB Cache, up to 4.7 GHz, 12 cores, 16 Threads) Intel® Core™ i5-1335U Processor 1.3 GHz (12MB Cache, up to 4.6 GHz, 10 cores, 12 Threads) Intel® Core™ i9-13900H Processor 2.6 GHz (24MB Cache, up to 5.4 GHz, 14 cores, 20 Threads) Intel® Core™ i7-13700H Processor 2.4 GHz (24MB Cache, up to 5.0 GHz, 14 cores, 20 Threads) Intel® Core™ i7-1355U Processor 1.7 GHz (12MB Cache, up to 5.0 GHz, 10 cores, 12 Threads) Intel® Core™ i3-1315U Processor 1.2 GHz (10MB Cache, up to 4.5 GHz, 6 cores, 8 Threads)
<b>Graphics</b>	Intel Iris X <sup>e</sup> Graphics *Intel Iris X <sup>e</sup> Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory. Intel® UHD Graphics *Intel Iris X <sup>e</sup> Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.	Intel Iris X <sup>e</sup> Graphics *Intel Iris X <sup>e</sup> Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory. Intel® UHD Graphics *Intel Iris X <sup>e</sup> Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.	Intel® UHD Graphics *Intel Iris X <sup>e</sup> Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory. Intel Iris X <sup>e</sup> Graphics *Intel Iris X <sup>e</sup> Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.	Intel Iris X <sup>e</sup> Graphics *Intel Iris X <sup>e</sup> Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory. Intel® UHD Graphics *Intel Iris X <sup>e</sup> Graphics is only available in models with Intel® Core™ i5/i7/i9 processors and dual-channel memory.
<b>Display</b>	16.0-inch, WUXGA (1920 x 1200) 16:10 aspect ratio, IPS-level Panel, 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, 3.2K (3200 x 2000) OLED 16:10 aspect ratio, LED Backlit, 0.2ms response time, 120Hz refresh rate, 400nits, 550nits 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)86%	16.0-inch, WUXGA (1920 x 1200) 16:10 aspect ratio, IPS-level Panel, 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, 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, WUXGA (1920 x 1200) 16:10 aspect ratio, IPS-level Panel, 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, WUXGA (1920 x 1200) 16:10 aspect ratio, IPS-level Panel, 120Hz refresh rate, 300nits, 100% Adobe 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, IPS-level Panel, 144Hz refresh rate, 500nits, 100% DCI-P3 color gamut, Anti-glare display, TÜV Rheinland-certified, Non-touch screen, (Screen-to-body ratio)86%
<b>Memory</b>	8GB DDR4 on board 8GB DDR4 SO-DIMM Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module. 8GB DDR4 on board Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module. 8GB DDR4 on board 4GB DDR4 SO-DIMM Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module.	8GB DDR4 on board 8GB DDR4 SO-DIMM Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module. 8GB DDR4 on board Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module.	8GB DDR4 on board Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module. 8GB DDR4 on board 8GB DDR4 SO-DIMM Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module. 8GB DDR4 on board 16GB DDR4 SO-DIMM Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module. 8GB DDR4 on board 4GB DDR4 SO-DIMM Total system memory	8GB DDR4 on board 8GB DDR4 SO-DIMM Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module. 8GB DDR4 on board Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module. 16GB DDR4 on board Total system memory upgradeable to:24GB *Dual-channel memory support requires at least one SO-DIMM module. 4GB DDR4 on board 4GB DDR4 SO-DIMM Total system memory

			Total system memory upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module.	upgradeable to:16GB *Dual-channel memory support requires at least one SO-DIMM module.
<b>Storage</b>	1TB M.2 NVMe™ PCIe® 3.0 SSD 256GB M.2 NVMe™ PCIe® 3.0 SSD 512GB M.2 NVMe™ PCIe® 3.0 SSD 512GB M.2 NVMe™ PCIe® 4.0 SSD	512GB M.2 NVMe™ PCIe® 3.0 SSD 256GB M.2 NVMe™ PCIe® 3.0 SSD 1TB M.2 NVMe™ PCIe® 3.0 SSD	512GB M.2 NVMe™ PCIe® 3.0 SSD 1TB M.2 NVMe™ PCIe® 3.0 SSD 256GB M.2 NVMe™ PCIe® 3.0 SSD	512GB M.2 NVMe™ PCIe® 3.0 SSD 1TB M.2 NVMe™ PCIe® 3.0 SSD 256GB M.2 NVMe™ PCIe® 3.0 SSD 512GB M.2 NVMe™ PCIe® 4.0 SSD 1TB M.2 NVMe™ PCIe® 4.0 SSD
<b>Expansion Slots (includes used)</b>	1x DDR4 SO-DIMM slot	1x DDR4 SO-DIMM slot	1x DDR4 SO-DIMM slot	1x DDR4 SO-DIMM slot
<b>I/O Ports</b>	1x USB 2.0 Type-A 1x USB 3.2 Gen 1 Type-C 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 2x USB 3.2 Gen 1 Type-A 1x HDMI 1.4 1x Headphone/Headset 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 Headphone out 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
<b>Keyboard &amp; Touchpad</b>	Chiclet Keyboard with Num-key, 1.35mm Key-travel, Touchpad Backlit Chiclet Keyboard with Num-key, 1.35mm Key-travel, Touchpad	Chiclet Keyboard with Num-key, 1.35mm Key-travel, Touchpad Backlit Chiclet Keyboard with Num-key, 1.35mm Key-travel, Touchpad	Chiclet Keyboard with Num-key, 1.35mm Key-travel, Touchpad Backlit Chiclet Keyboard with Num-key, 1.35mm Key-travel, Touchpad	Chiclet Keyboard with Num-key, 1.4mm Key-travel, Touchpad Backlit Chiclet Keyboard with Num-key, 1.4mm Key-travel, Touchpad
<b>Camera</b>	720p HD camera With privacy shutter	720p HD camera With privacy shutter	720p HD camera With privacy shutter	720p HD camera With privacy shutter
<b>Audio</b>	SonicMaster Built-in speaker Built-in microphone with Cortana voice-recognition support	SonicMaster Built-in speaker Built-in microphone with Cortana voice-recognition support	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
<b>Network and Communication</b>	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card Wi-Fi 5(802.11ac) (Dual band) 1*1 + Bluetooth® 5.1 Wireless Card	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card 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 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 5(802.11ac) (Dual band) 1*1 + Bluetooth® 5.1 Wireless Card
<b>Battery</b>	42WHrs, 3S1P, 3-cell Li-ion 70WHrs, 3S1P, 3-cell Li-ion	42WHrs, 3S1P, 3-cell Li-ion	42WHrs, 3S1P, 3-cell Li-ion	42WHrs, 3S1P, 3-cell Li-ion
<b>Power Supply</b>	ø4.5, 45W AC Adapter, Output: 19V DC, 2.37A, 45W, Input: 100~240V AC 50/60Hz universal ø4.5, 65W AC Adapter, Output: 19V DC, 3.42A, 65W, Input: 100~240V AC 50/60Hz universal	ø4.5, 45W AC Adapter, Output: 19V DC, 2.37A, 45W, Input: 100~240V AC 50/60Hz universal	ø4.5, 65W AC Adapter, Output: 19V DC, 3.42A, 65W, Input: 100~240V AC 50/60Hz universal	ø4.5, 65W AC Adapter, Output: 19V DC, 3.42A, 65W, Input: 100~240V AC 50/60Hz universal ø4.5, 45W AC Adapter, Output: 19V DC, 2.37A, 45W, Input: 100~240V AC 50/60Hz universal 45W AC Adapter (included with RPL U series Processor)
<b>Weight</b>	1.88 kg (4.14 lbs)	1.88 kg (4.14 lbs)	1.88 kg (4.14 lbs)	1.88 kg (4.14 lbs)
<b>Dimensions (W x D x H)</b>	35.87 x 24.95 x 1.99 ~ 1.99 cm (14.12" x 9.82" x 0.78" ~ 0.78")	35.86 x 24.95 x 1.99 ~ 1.99 cm (14.12" x 9.82" x 0.78" ~ 0.78")	35.86 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")
<b>Built-in Apps</b>	MyASUS ScreenXpert GlideX	MyASUS ScreenXpert GlideX	MyASUS ScreenXpert GlideX	MyASUS ScreenXpert GlideX
<b>MyASUS Features</b>	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	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update AI Noise Canceling
<b>ASUS Exclusive technology</b>	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard Plus
<b>Microsoft Office</b>	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Student 2021 included WPS Office Standard Edition	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Student 2021 included	1-month trial for new Microsoft 365 customers. Credit card required. Microsoft Office Home & Student 2021	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

(With license for 3 products)  
Microsoft Office Home &  
Business 2021

<b>Military Grade</b>	US MIL-STD 810H military-grade standard	US MIL-STD 810H military-grade standard	US MIL-STD 810H military-grade standard	US MIL-STD 810H military-grade standard
<b>Ecolabels &amp; Compliances</b>	Energy star 8.0 RoHS REACH	Energy star 8.0 RoHS REACH	Energy star 8.0 RoHS REACH	EPEAT Silver Energy star 8.0 RoHS REACH
<b>Security</b>	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) McAfee® LiveSafe™	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) McAfee® LiveSafe™	BIOS setup user password McAfee® LiveSafe™	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) McAfee® LiveSafe™ Fingerprint sensor integrated with Touchpad
<b>Included in the Box</b>	Wired optical mouse (USB) Backpack * Included accessories vary according to country and territory. Please check with your local ASUS retailer for details.	Wired optical mouse (USB) Backpack * Included accessories vary according to country and territory. Please check with your local ASUS retailer for details.	Wired optical mouse (USB) Backpack * Included accessories vary according to country and territory. Please check with your local ASUS retailer for details.	Wired optical mouse (USB) Backpack * Included accessories vary according to country and territory. Please check with your local ASUS retailer for details.
<b>Disclaimer</b>	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.	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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- PCB color and bundled software versions are subject to change without notice.
- Brand and product names mentioned are trademarks of their respective companies.
- 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).<sup>1</sup>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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- 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.

**ASUS** Laptops For Home Vivobook Vivobook 16 OLED (X1605)

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