ROG | *ProArt* | ASUS IoT

Gaming   Business   Environment

Mobile / Handhelds   Laptops   Displays / Desktops   Motherboards / Components   Networking / IoT / Servers   Accessories   Support

ASUS Vivobook 16 (X1605)

Overview :
Intel Series 1 processor ⌄

Tech Specs   Review   Support

Viewing 1 - 4 of 5   ‹   ›

	X1605ZA	X1605EA	
Model	X1605ZA	X1605EA	X
Color	Indie Black Transparent Silver	Indie Black Transparent Silver	C Ir
Operating System	Windows 11 Home - ASUS recommends Windows 11 Pro for business No preinstalled OS Windows 11 Pro - ASUS recommends Windows 11 Pro for business Keep OS	Windows 11 Home - ASUS recommends Windows 11 Pro for business Windows 11 Pro - ASUS recommends Windows 11 Pro for business No preinstalled OS	W re P N
Processor	Intel® Core™ i5-12500H Processor 2.5 GHz (18M Cache, up to 4.5 GHz, 4P+8E cores) Intel®Core™ i3-1215U Processor 1.2 GHz (10M Cache, up to 4.4 GHz, 6	Intel® Core™ i5-1135G7 Processor 2.4 GHz (8M Cache, up to 4.2 GHz cores) Intel® Core™ i3-1115G4 Processor 3.0 GHz (6M Cache, up to 4.1 GHz, 2	Ir P C c Ir P

cores)
Intel®Core™ i7-1255U
Processor 1.7 GHz (12M
Cache, up to 4.7 GHz, 10
cores)
Intel®Core™ i5-1235U
Processor 1.3 GHz (12M
Cache, up to 4.4 GHz, 10
cores)
Intel® Pentium Gold 8505
Processor 1.2 GHz (8MB
Cache, up to 4.4 GHz, 5
cores, 6 Threads)
Intel® Core™ i7-12700H
Processor 2.3 GHz (24M
Cache, up to 4.7 GHz,
6P+8E cores)

cores)
Intel® Core™ i7-1165G7
Processor 2.8 GHz (12M
Cache, up to 4.7 GHz, 4
cores)

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Graphics

Intel Iris Xe Graphics
*Intel Iris Xe Graphics is
only available in models
with Intel® Core™ i5/i7/i9
processors with up to 80
graphics execution units
(EUs) and dual-channel
memory.
Intel® UHD Graphics
*Intel Iris Xe Graphics is
only available in models
with Intel® Core™ i5/i7/i9
processors with up to 80
graphics execution units
(EUs) and dual-channel
memory.

Intel® UHD Graphics
*Intel Iris Xe Graphics is
only available in models
with Intel® Core™ i5/i7/i9
processors with up to 80
graphics execution units
(EUs) and dual-channel
memory.
Intel Iris Xe Graphics
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with Intel® Core™ i5/i7/i9
processors with up to 80
graphics execution units
(EUs) and dual-chanr
memory.

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Display

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%

Memory

8GB DDR4 on board
8GB DDR4 SO-DIMM
Max Total system memory up to:16GB
*Dual-channel memory support requires at least one SO-DIMM module.
8GB DDR4 on board
Max Total system memory up to:16GB
*Dual-channel memory support requires at least one SO-DIMM module.
8GB DDR4 on board
4GB DDR4 SO-DIMM
Max Total system memory up to:16GB
*Dual-channel memory

8GB DDR4 on board
Max Total system memory up to:16GB
*Dual-channel memory support requires at least one SO-DIMM module.
8GB DDR4 on board
8GB DDR4 SO-DIMM
Max Total system memory up to:16GB
*Dual-channel memory support requires at least one SO-DIMM module.

support requires at least
one SO-DIMM module.

Storage	512GB M.2 NVMe™ PCIe® 3.0 SSD 512GB M.2 NVMe™ PCIe® 4.0 SSD 256GB M.2 NVMe™ PCIe® 3.0 SSD 1TB M.2 NVMe™ PCIe® 3.0 SSD	1TB M.2 NVMe™ PCIe® 3.0 SSD 512GB M.2 NVMe™ PCIe® 3.0 SSD 256GB M.2 NVMe™ PCIe® 3.0 SSD	5 3 1 3 2 3
Expansion Slots (includes used)	1x DDR4 SO-DIMM slot 1x M.2 2280 PCIe 3.0x4	1x DDR4 SO-DIMM slot 1x M.2 2280 PCIe 3.0x4	1 1
I/O Ports	1x USB 2.0 Type-A (data speed up to 480Mbps) 1x USB 3.2 Gen 1 Type-C (data speed up to 5Gbps) 2x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps) 1x HDMI 1.4 1x 3.5mm Combo Audio Jack 1x DC-in	1x USB 2.0 Type-A (data speed up to 480Mbps) 1x USB 3.2 Gen 1 Type-C (data speed up to 5Gbps) 2x USB 3.2 Gen 1 Type-A (data speed up to 5Gbps) 1x HDMI 1.4 1x Headphone/Headset 1x DC-in	1 s 1 w d 5 2 (1 1 1
Keyboard & 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, Precision touchpad	Chiclet Keyboard with Num-key, 1.35mm Key-travel, Precision touchpad Backlit Chiclet Keyboard with Num-key, 1.35mm Key-travel, Precision touchpad Chiclet Keyboard with Num-key, 1.35mm Key-travel, Touchpad	B w K t C N tr

	Chiclet Keyboard with Num-key, 1.35mm Key-travel, Precision touchpad	Backlit Chiclet Keyboard with Num-key, 1.35mm Key-travel, Touchpad	
Camera	720p HD camera With privacy shutter	720p HD camera With privacy shutter	7 W
Audio	SonicMaster Built-in speaker Built-in microphone with Cortana voice-recognition support	SonicMaster Built-in speaker Built-in microphone with Cortana voice-recognition support	S B B w re
Network and Communication	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 (*Bluetooth® version may change with OS version different.)	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 (*Bluetooth® version may change with OS version different.)	W b 5 (* c d W b 5 (* c d
Battery	42WHrs, 3S1P, 3-cell Li-ion 70WHrs, 3S1P, 3-cell Li-ion	42WHrs, 3S1P, 3-cell Li-ion	4
Power Supply	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, 45W AC Adapter, Output: 19V DC, 2.37A, 45W, Input: 100~240V AC 50/60Hz universal	ø C 6 5

Weight	1.88 kg (4.14 lbs)	1.88 kg (4.14 lbs)	1
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")	35.86 x 24.95 x 1.99 ~ 1.99 cm (14.12" x 9.82" x 0.78" ~ 0.78")	3 1 0
Built-in Apps	MyASUS ScreenXpert GlideX	MyASUS ScreenXpert GlideX	M S G
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	S B F S T F W L T L A
ASUS Exclusive technology	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard	A
Microsoft Office	1-month trial for new Microsoft 365 customers. Credit card required. WPS Office Standard Edition (With license for 3 products) Office Home and Student	1-month trial for new Microsoft 365 customers. Credit card required. Office Home and Stud 2021 included	1 M C M S

2021 included
Microsoft 365 Personal 1-
year included.*
*Activation required with
6-months of Windows
activation date.
Microsoft Office Home &
Student 2021 + Microsoft
365 Basic
Microsoft Office Home
2024 + Microsoft 365
Basic

Military Grade	US MIL-STD 810H military-grade standard	US MIL-STD 810H military-grade standard	U n
Ecolabels & Compliances	Energy star 8.0 RoHS REACH	Energy star 8.0 RoHS REACH	E R R
Security	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) McAfee® Fingerprint sensor integrated with Touchpad	BIOS Booting User Password Protection Trusted Platform Module (Firmware TPM) McAfee® Fingerprint sensor integrated with Touchpad	B M F i

Included in the Box

Backpack
* Included accessories vary according to country and territory. Please check with your local ASUS retailer for details. Wired optical mouse (USB)

* Included accessories vary according to country and territory. Please check with your local ASUS retailer for details. Wired optical mouse (USB) Backpack

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.

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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). 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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- 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.

- The drivers on this PC are only compatible with Windows 11 version 24H2 or later. To ensure optimal functionality and avoid any potential issues, please do not manually install an older version of the operating system.

- Due to surface-mounted components near the motherboard's M.2 slot, only single-sided SSDs are supported.

  * Result from Mobile Mark 2014 office productivity.

/ISUS　　Laptops　　For Home　　Vivobook　　Vivobook 16 OLED (X1605)

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Accessories

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Cases

Cooling

Power Supply Units

Sound Cards

Optical Drives

Data Storage

External Graphics Docks

Networking / IoT / Servers

WiFi 7

WiFi 6

WiFi Routers

Whole Home Mesh WiFi System

Business Network Solutions

Wired Networking

Intelligent Robots

AIoT & Industrial Solutions

Servers

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