	ASUS Viv	robook 16X OLED (K3605) - Tech Specs Lapto	ps For Home ASUS Global	
ProArt ASUS INT				Gaming Business
Mobile / Handhelds	Laptops Displays / Desktops Mo	otherboards / Components Netwo	orking / IoT / Servers Accessories	Support
ASUS Vivobook 16X OLED (K3605)			
Overview : 13th Gen Intel Overview ∨ Laptop-OLED	Tech Specs Review Support			
				Viewing 1 - 4 of 9 < >
	Construction of the		1000	Copplaintenant, 110
Model	K3605VV	K3605VU	K3605VC	K3605VA
Model				
Color	Indie Black	Indie Black	Indie Black	Indie Black
	Cool Silver	Cool Silver	Cool Silver	Cool Silver
Operating System	Windows 11 Home - ASUS	Windows 11 Home - ASUS		Windows 11 Home - ASUS
	recommends Windows 11 Pro for business	recommends Windows 11 Pro for business	recommends Windows 11 Pro for business	recommends Windows 11 Pro for business
	Windows 11 Pro - ASUS	No preinstalled OS	No preinstalled OS	
	recommends Windows 11 Pro for business	Windows 11 Pro - ASUS recommends Windows 11	Windows 11 Pro - ASUS recommends Windows 11	
	No preinstalled OS	Pro for business	Pro for business	
	Free Upgrade to Windows 11 ¹ (when available, see	Free Upgrade to Windows 11 ¹ (when available, see		
	below)	below)		
Processor	Intel [®] Core [™] i9-13900H	Intel® Core™ i9-13900H	Intel [®] Core [™] i9-13900H	Intel [®] Core™ i9-13900H
	Processor 2.6 GHz (24MB	Processor 2.6 GHz (24MB	Processor 2.6 GHz (24MB	Processor 2.6 GHz (24MB

Processor 2.4 GHz (24MB	Processor 2.6 GHz (18MB	Processor 2.6 GHz (18MB
Cache, up to 5.0 GHz, 14	Cache, up to 4.7 GHz, 12	Cache, up to 4.7 GHz, 12
cores, 20 Threads)	cores, 16 Threads)	cores, 16 Threads)
Intel® Core™ i5-13500H	Intel® Core™ i7-13700H	Intel® Core™ i7-13700H
Processor 2.6 GHz (18MB	Processor 2.4 GHz (24MB	Processor 2.4 GHz (24MB
Cache, up to 4.7 GHz, 12	Cache, up to 5.0 GHz, 14	Cache, up to 5.0 GHz, 14
cores, 16 Threads)	cores, 20 Threads)	cores, 20 Threads)

Cache, up to 5.4 GHz, 14

Intel[®] Core™ i5-13500H

cores, 20 Threads)

Cache, up to 5.4 GHz, 14

Intel[®] Core[™] i7-13700H

cores, 20 Threads)

Cache, up to 5.4 GHz, 14

cores, 20 Threads)

Cache, up to 5.4 GHz, 14

Intel[®] Core[™] i5-13500H

cores, 20 Threads)

Graphics	NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 Intel® UHD Graphics *Intel Iris X ^e 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® UHD Graphics *Intel Iris X ^e Graphics is only available in models with Intel® Core [™] i5/i7/i9 processors and dual-channel memory.	NVIDIA® Geforce RTX™ 3050 4GB Laptop GPU 4GB GDDR6 Intel® UHD Graphics	Intel Iris X ^e Graphics
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16.0-inch, 3.2K (3200 x 2000) 16.0-inch, 3.2K (3200 x 2000) 16.0-inch, WUXGA (1920 x 16.0-inch, 3.2K (3200 x 2000) Display OLED 16:10 aspect ratio, OLED 16:10 aspect ratio, 1200) 16:10 aspect ratio, IPS-OLED 16:10 aspect ratio, level Panel, LED Backlit, 0.2ms response time, 120Hz 0.2ms response time, 120Hz 0.2ms response time, 120Hz refresh rate, 400nits, 600nits refresh rate, 400nits, 600nits 120Hz refresh rate, 300nits, refresh rate, 400nits, 600nits HDR peak brightness, 100% HDR peak brightness, 100% 100% sRGB color gamut, HDR peak brightness, 100% DCI-P3 color gamut, DCI-P3 color gamut, Anti-glare display, TÜV DCI-P3 color gamut, 1,000,000:1, VESA CERTIFIED 1,000,000:1, VESA CERTIFIED Rheinland-certified, Non-1,000,000:1, VESA CERTIFIED Display HDR True Black 600, Display HDR True Black 600, Display HDR True Black 600, touch screen, (Screen-to-1.07 billion colors, PANTONE 1.07 billion colors, PANTONE body ratio)86% 1.07 billion colors, PANTONE Validated, Glossy display, Validated, Glossy display, 16.0-inch, WQXGA (2560 x Validated, Glossy display, 70% less harmful blue light, 70% less harmful blue light, 70% less harmful blue light, 1600) 16:10 aspect ratio, IPS-TÜV Rheinland-certified, SGS TÜV Rheinland-certified, SGS TÜV Rheinland-certified, SGS level Panel, LED Backlit, Eye Care Display, Non-touch 120Hz refresh rate, 500nits, Eye Care Display, Non-touch Eye Care Display, Non-touch screen, (Screen-to-body 100% DCI-P3 color gamut, screen, (Screen-to-body screen, (Screen-to-body Anti-glare display, TÜV ratio)85% ratio)85% ratio)86% Rheinland-certified, Non-16.0-inch, WUXGA (1920 x 16.0-inch, WUXGA (1920 x 1200) 16:10 aspect ratio, IPS-1200) 16:10 aspect ratio, IPStouch screen, (Screen-tolevel Panel, LED Backlit, level Panel, LED Backlit, 60Hz body ratio)86% 120Hz refresh rate, 300nits, refresh rate, 300nits, 45% 16.0-inch, 3.2K (3200 x 2000) 100% sRGB color gamut, NTSC color gamut, Anti-OLED 16:10 aspect ratio, Anti-glare display, TÜV glare display, TÜV 0.2ms response time, 120Hz Rheinland-certified, Non-Rheinland-certified, Nonrefresh rate, 400nits, 550nits HDR peak brightness, 100% touch screen, (Screen-totouch screen, (Screen-tobody ratio)85% body ratio)85% DCI-P3 color gamut, 16.0-inch, WQXGA (2560 x 16.0-inch, WUXGA (1920 x 1,000,000:1, VESA CERTIFIED 1600) 16:10 aspect ratio, IPS-1200) 16:10 aspect ratio, IPS-Display HDR True Black 500,

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level Panel, LED Backlit,	level Panel, LED Backlit,	1.07 billion colors, PANTONE
144Hz refresh rate, 400nits,	120Hz refresh rate, 300nits,	Validated, Glossy display,
100% sRGB color gamut,	100% sRGB color gamut,	70% less harmful blue light,
Anti-glare display, TÜV	Anti-glare display, TÜV	TÜV Rheinland-certified, SGS
Rheinland-certified, Non-	Rheinland-certified, Non-	Eye Care Display, Non-touch
touch screen, (Screen-to-	touch screen, (Screen-to-	screen, (Screen-to-body
body ratio)85%	body ratio)85%	ratio)86%
	16.0-inch, WQXGA (2560 x	16.0-inch, WUXGA (1920 x
	1600) 16:10 aspect ratio, IPS-	1200) 16:10 aspect ratio, IPS-
	level Panel, LED Backlit,	level Panel, LED Backlit, 60Hz
	144Hz refresh rate, 400nits,	refresh rate, 300nits, 45%
	100% sRGB color gamut,	NTSC color gamut, Anti-
	Anti-glare display, TÜV	glare display, TÜV
	Rheinland-certified, Non-	Rheinland-certified, Non-
	touch screen, (Screen-to-	touch screen, (Screen-to-
	body ratio)85%	body ratio)86%

Memory	16GB DDR4 on board 16GB DDR4 SO-DIMM 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:32GB *Dual-channel memory support requires at least one SO-DIMM module.	16GB DDR4 on board 16GB DDR4 SO-DIMM 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:32GB *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. 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.
Storage	1TB M.2 NVMe [™] PCle [®] 3.0 SSD 512GB M.2 NVMe [™] PCle [®] 4.0 SSD	1TB M.2 NVMe [™] PCle [®] 3.0 SSD 512GB M.2 NVMe [™] PCle [®] 4.0 SSD 1TB M.2 NVMe [™] PCle [®] 4.0 SSD	512GB M.2 NVMe [™] PCle [®] 3.0 SSD 1TB M.2 NVMe [™] PCle [®] 3.0 SSD 512GB M.2 NVMe [™] PCle [®] 4.0 SSD 1TB M.2 NVMe [™] PCle [®] 4.0 SSD 256GB M.2 NVMe [™] PCle [®] 4.0 SSD	1TB M.2 NVMe™ PCIe® 4.0 SSD
Expansion Slots (includes used)	1x DDR4 SO-DIMM slot	1x DDR4 SO-DIMM slot	1x DDR4 SO-DIMM slot	1x DDR4 SO-DIMM slot
I/O Ports	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 DC-in SD 4.0 card reader	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 DC-in SD 4.0 card reader	1x USB 3.2 Gen 1 Type-C support power delivery 2x USB 3.2 Gen 1 Type-A 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x DC-in SD 4.0 card reader	1x USB 3.2 Gen 1 Type-C support power delivery 2x USB 3.2 Gen 1 Type-A 1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x DC-in SD 4.0 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	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	720p HD camera	720p HD camera	720p HD camera
	With privacy shutter	With privacy shutter	With privacy shutter	With privacy shutter
Audio	SonicMaster	SonicMaster	SonicMaster	SonicMaster
	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker
	Built-in array microphone	Built-in array microphone	Built-in array microphone	Built-in array microphone
	with Cortana support	with Cortana support	with Cortana support	with Cortana support
Network and Communication	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card Wi-Fi 6E(802.11ax) (Dual band) 1*1 + Bluetooth® 5.3 Wireless Card	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 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 6E(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
Battery	70WHrs, 3S1P, 3-cell Li-ion	70WHrs, 3S1P, 3-cell Li-ion	50WHrs, 3S1P, 3-cell Li-ion 63WHrs, 3S1P, 3-cell Li-ion	63WHrs, 3S1P, 3-cell Li-ion
Power Supply	ø4.5, 120W AC Adapter,	ø4.5, 120W AC Adapter,	ø4.5, 120W AC Adapter,	ø4.5, 90W AC Adapter,
	Output: 20V DC, 6A, 120W,	Output: 20V DC, 6A, 120W,	Output: 20V DC, 6A, 120W,	Output: 19V DC, 4.74A, 90W,
	Input: 100~240V AC 50/60Hz	Input: 100~240V AC 50/60Hz	Input: 100~240V AC 50/60Hz	Input: 100~240V AC 50/60Hz
	universal	universal	universal	universal
Weight	1.80 kg (3.97 lbs)	1.80 kg (3.97 lbs)	1.80 kg (3.97 lbs)	1.80 kg (3.97 lbs)
Dimensions (W x D x H)	35.86 x 24.91 x 1.89 ~ 1.89	35.86 x 24.91 x 1.89 ~ 1.89	35.86 x 24.91 x 1.89 ~ 1.89	35.86 x 24.91 x 1.89 ~ 1.89
	cm (14.12" x 9.81" x 0.74" ~	cm (14.12" x 9.81" x 0.74" ~	cm (14.12" x 9.81" x 0.74" ~	cm (14.12" x 9.81" x 0.74" ~
	0.74")	0.74")	0.74")	0.74")

Built-in Apps	MyASUS	MyASUS	MyASUS	MyASUS
	ProArt Creator Hub	ProArt Creator Hub	ProArt Creator Hub	ProArt Creator Hub
	ScreenXpert	ScreenXpert	ScreenXpert	ScreenXpert
	GlideX	GlideX	GlideX	GlideX
MyASUS Features	System diagnosis	System diagnosis	System diagnosis	System diagnosis
	Battery health charging	Battery health charging	Battery health charging	Battery health charging
	Fan Profile	Fan Profile	Fan Profile	Fan Profile
	Splendid	Splendid	Splendid	Splendid
	Tru2Life	Tru2Life	Tru2Life	Tru2Life
	Function key lock	Function key lock	Function key lock	Function key lock
	WiFi SmartConnect	WiFi SmartConnect	WiFi SmartConnect	WiFi SmartConnect
	Link to MyASUS	Link to MyASUS	Link to MyASUS	Link to MyASUS
	TaskFirst	TaskFirst	TaskFirst	TaskFirst
	Live update	Live update	Live update	Live update
	ASUS OLED Care	ASUS OLED Care	ASUS OLED Care	ASUS OLED Care
	Al Noise Canceling	AI Noise Canceling	AI Noise Canceling	Al Noise Canceling
ASUS Exclusive technology	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard	ASUS Antimicrobial Guard
Microsoft Office	Microsoft 365 Personal 1-	Microsoft 365 Personal 1-	1-month trial for new	Microsoft 365 Personal 1-
	year included	year included	Microsoft 365 customers.	year included

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WPS Office Standard Edition	Microsoft Office Home &	Credit card required.
(With license for 3 products)	Student 2021	Microsoft Office Home &
1-month trial for new	1-month trial for new	Student 2021
Microsoft 365 customers.	Microsoft 365 customers.	WPS Office Standard Edition
Credit card required.	Credit card required.	(With license for 3 products)
	WPS Office Standard Edition	Microsoft 365 Personal 1-
	(With license for 3 products)	year included

Military Grade	US MIL-STD 810H military-	US MIL-STD 810H military-	US MIL-STD 810H military-	US MIL-STD 810H military-
	grade standard	grade standard	grade standard	grade standard
Ecolabels & Compliances	EPEAT Silver Energy star 8.0 RoHS REACH	EPEAT Silver Energy star 8.0 RoHS REACH	EPEAT Silver Energy star 8.0 RoHS REACH	Energy star 8.0 RoHS REACH
Security	BIOS Booting User Password	BIOS Booting User Password	BIOS Booting User Password	BIOS Booting User Password
	Protection	Protection	Protection	Protection
	Trusted Platform Module	Trusted Platform Module	Trusted Platform Module	Trusted Platform Module
	(Firmware TPM)	(Firmware TPM)	(Firmware TPM)	(Firmware TPM)
	McAfee®	McAfee®	McAfee®	McAfee®
	Fingerprint sensor	Fingerprint sensor	Fingerprint sensor	Fingerprint sensor
	integrated with Touchpad	integrated with Touchpad	integrated with Touchpad	integrated with Touchpad
Included in the Box	Wired optical mouse (USB)	Wired optical mouse (USB)	Wired optical mouse (USB)	Wired optical mouse (USB)
	Backpack	Backpack	Backpack	Backpack
	* Included accessories vary	* Included accessories vary	* Included accessories vary	* Included accessories vary
	according to country and	according to country and	according to country and	according to country and
	territory. Please check with	territory. Please check with	territory. Please check with	territory. Please check with
	your local ASUS retailer for	your local ASUS retailer for	your local ASUS retailer for	your local ASUS retailer for
	details.	details.	details.	details.
Disclaimer	¹ 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) 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.	¹ 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) 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	OLED	OLED



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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). 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.

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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For Creators	Graphics Cards	Accessories		ASUS Support Videos	ASUS Cloud Corporation
For Students	Gaming Cases	Keyboards		MyASUS	UniMax Electronics Inc.
For Gaming	Cooling	Mice and Mouse Pads			
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Displays / Desktops	Sound Cards	Streaming Kits			
Monitors	Optical Drives	Apparel Bags and Gear			
Projectors	Data Storage	Cases and Protection			
All-in-One PCs	External Graphics Docks	Adapters and Chargers			
Tower PCs	Networking / IoT / Servers	Docks Dongles and Cable			
Gaming Tower PCs	WiFi7	Power Banks			
	WiFi 6	Controller			
	WiFi Routers	Gimbal			
	Whole Home Mesh WiFi System				



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🌐 Global / English