



# ASUS ProArt StudioBook 16 OLED H7600ZM-L2016W laptop Intel® Core™ i7 i7-12700H 40.6 cm (16") WQUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3060 Wi-Fi 6 (802.11ax) Windows 11 Home Black

**Brand :** ASUS

**Product family:** ProArt StudioBook

**Product code:** H7600ZM-L2016W



**Product name :** H7600ZM-L2016W

- Windows 11 Home 64-bit
- Intel Core i7-12700H (24MB Cache)
- 40.6 cm (16") WQUXGA 3840 x 2400 OLED, NVIDIA GeForce RTX 3060 (6GB GDDR6)
- 16GB DDR5-SDRAM & 1000GB SSD

Intel Core i7-12700H (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQUXGA 3840 x 2400 OLED, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3060 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ProArt StudioBook 16 OLED H7600ZM-L2016W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12700H. Display diagonal: 40.6 cm (16"), HD type: WQUXGA, Display resolution: 3840 x 2400 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 3060. Operating system installed: Windows 11 Home. Product colour: Black



Design		Network	
Colour name	Mineral Black	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Product type *	Laptop	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Product colour *	Black	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
<b>Display</b>		Ethernet LAN	✓
Display diagonal *	40.6 cm (16")	Ethernet LAN data rates	10,100,1000 Mbit/s
Display resolution *	3840 x 2400 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.0
HD type	WQUXGA	<b>Ports &amp; interfaces</b>	
Panel type	OLED	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Native aspect ratio	16:10	Ethernet LAN (RJ-45) ports	1
Display surface	Gloss	HDMI ports quantity *	1
Maximum display brightness (HDR)	600 cd/m <sup>2</sup>	HDMI version	2.1
RGB colour space	DCI-P3	Thunderbolt 4 ports quantity	2
Colour gamut	100%	Intel® Thunderbolt 4	✓
Contrast ratio (typical)	1000000:1	Combo headphone/mic port	✓
High Dynamic Range (HDR) supported	✓	Charging port type	DC-in jack
High Dynamic Range (HDR) technology	HDR True Black 600	Power adapter barrel connector	6.0 mm
<b>Processor</b>		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	Intel	USB Power Delivery	✓
Processor family *	Intel® Core™ i7	<b>Keyboard</b>	
Processor generation	12th gen Intel® Core™ i7	Pointing device	Touchpad
Processor model *	i7-12700H	Numeric keypad *	✓
Processor cores	14	Keyboard backlit	✓
Processor boost frequency	4.7 GHz	<b>Software</b>	
Processor cache	24 MB	Operating system architecture	64-bit
Configurable TDP-down	35 W		

<b>Memory</b>		<b>Software</b>	
Internal memory *	16 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	<b>Processor special features</b>	
Memory form factor	SO-DIMM	Intel Flex Memory Access	✓
Memory slots	2x SO-DIMM	Intel Trusted Execution Technology	✓
Maximum internal memory *	64 GB	Intel VT-x with Extended Page Tables (EPT)	✓
<b>Storage</b>		Execute Disable Bit	✓
Total storage capacity *	1 TB	CPU configuration (max)	1
Storage media *	SSD	Embedded options available	✗
Total SSDs capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Virtualization Technology (VT-x)	✓
SSD capacity	1 TB	<b>Battery</b>	
SSD interface	PCI Express 4.0	Battery technology	Lithium-Ion (Li-Ion)
NVMe	✓	Number of battery cells	4
SSD form factor	M.2	Battery capacity *	90 Wh
Optical drive type *	✗	<b>Power</b>	
Card reader integrated	✓	AC adapter power	240 W
Compatible memory cards	SD	AC adapter frequency	50 - 60 Hz
<b>Graphics</b>		AC adapter input voltage	100 - 240 V
Discrete GPU manufacturer	NVIDIA	AC adapter output current	12 A
Discrete graphics card model *	NVIDIA GeForce RTX 3060	AC adapter output voltage	20 V
Discrete graphics card memory	6 GB	<b>Security</b>	
Discrete graphics memory type	GDDR6	Fingerprint reader	✓
On-board graphics card *	✓	Windows Hello	✓
On-board GPU manufacturer	Intel	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✓	Trusted Platform Module (TPM) version	2.0
On-board graphics card model *	Intel Iris Xe Graphics	Password protection	✓
<b>Audio</b>		Password protection type	BIOS, HDD, User
Audio system	Smart Amp	<b>Weight &amp; dimensions</b>	
Speakers manufacturer	Harman Kardon	Width	362 mm
Built-in microphone	✓	Depth	264 mm
<b>Camera</b>		Height (front)	1.99 cm
Front camera	✓	Height (rear)	2.14 cm
Front camera HD type	HD	Weight *	2.4 kg
Infrared (IR) camera	✓		
Privacy camera	✓		
Privacy type	Privacy shutter		



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Publication date: 13-MAY-2024. Prints or copies of Information are only valid on the printed Publication date