

ASUS Vivobook Pro 15 OLED M6500RE-MA055W AMD Ryzen™ 9 6900HX Laptop 39.6 cm (15.6") 2.8K 16 GB LPDDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3050 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Silver

Brand : ASUS

Product family: Vivobook

Product code: 90NB0YG2-M00260

Product name : M6500RE-MA055W

- Windows 11 Home
- AMD Ryzen™ 9 6900HX Mobile Processor
- 15.6" 2.8K 120Hz OLED display
- 1TB M.2 NVMe™ PCIe® 3.0 SSD storage
- ASUS IceCool Plus thermal Technology with 85W total TDP
- USB4® port up to 40 Gbps data transfer
- Dolby Atmos and Harman Kardon audio system
- ASUS Antibacterial Guard Technology
- Physical Webcam Shield
- One-touch login via power button
- Wi-Fi 6E (802.11ax) enhanced with ASUS WiFi Master Premium

AMD Ryzen 9 6900HX (16MB Cache, 3.3GHz), 16GB LPDDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") 2.8K 2880 x 1620 OLED, AMD Radeon 680M, NVIDIA GeForce RTX 3050 Ti (4GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit



Design		Camera	
Colour name	Cool Silver	Front camera	✓
Product type *	Laptop	Front camera resolution	1920 x 1080 pixels
Product colour *	Silver	Front camera HD type	Full HD
Form factor *	Clamshell	Privacy camera	✓
Housing material	Aluminium, Plastic	Privacy type	Privacy shutter
Market positioning	Performance	Network	
Country of origin	China	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display diagonal *	39.6 cm (15.6")	Mobile network connection *	✗
Display resolution *	2880 x 1620 pixels	Antenna type	2x2
Touchscreen *	✗	Bluetooth	✓
HD type	2.8K	Bluetooth version	5.3
Panel type	OLED	Ports & interfaces	
Native aspect ratio	16:9	USB 2.0 ports quantity *	2
Display surface	Gloss	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Maximum display brightness (HDR)	600 cd/m²	USB4 Gen 3x2 ports quantity	1
RGB colour space	DCI-P3	HDMI ports quantity *	1
Colour gamut	100%	HDMI version	2.1
Maximum refresh rate	120 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1000000:1	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) supported	✓	Performance	
High Dynamic Range (HDR) technology	HDR True Black 600	Repairability index	7.6
Processor		Keyboard	
Processor manufacturer *	AMD	Pointing device	Touchpad
Processor family *	AMD Ryzen™ 9	Numeric keypad *	✓
Processor generation	AMD Ryzen 6000 Series		

Processor		Keyboard	
Processor model *	6900HX	Keyboard backlit	✓
Processor cores	8	Software	
Processor boost frequency	4.9 GHz	Operating system architecture	64-bit
Processor frequency *	3.3 GHz	Trial software	1-month trial for new Microsoft 365 customers. Credit card required. McAfee® 30 days free trial
Processor cache	16 MB	Operating system installed *	Windows 11 Home
Processor cache type	L3	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	16 GB	Number of battery cells	3
Internal memory type	LPDDR5-SDRAM	Battery capacity *	70 Wh
Memory form factor	On-board	Power	
Maximum internal memory *	16 GB	AC adapter power	150 W
Storage		AC adapter frequency	50 - 60 Hz
Total storage capacity *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	AC adapter output current	7.5 A
Total SSDs capacity	1 TB	AC adapter output voltage	20 V
Number of SSDs installed	1	DC-in jack	✓
SSD capacity	1 TB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 3.0	Security	
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Password protection	✓
Card reader integrated	✓	Password protection type	BIOS, User
Compatible memory cards	MicroSD (TransFlash)	Weight & dimensions	
Graphics		Width	359.8 mm
Discrete GPU manufacturer	NVIDIA	Depth	234.3 mm
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti	Height (front)	1.89 cm
Discrete graphics card memory	4 GB	Height (rear)	1.99 cm
Discrete graphics memory type	GDDR6	Weight *	1.8 kg
On-board graphics card *	✓	Packaging data	
On-board GPU manufacturer	AMD	Package width	65 mm
Discrete graphics card *	✓	Package depth	460 mm
On-board graphics card model *	AMD Radeon 680M	Package height	290 mm
Audio		Package weight	2.76 kg
Audio system	Smart Amp	Packaging content	
Speakers manufacturer	Harman Kardon	AC adapter included *	✓
Built-in microphone	✓	Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000



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Catalog Object Cloud



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