



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 HD type	Full HD
Product colour *	Silver	Privacy camera	✓
Form factor *	Clamshell	Privacy type	Privacy shutter
Housing material	Aluminium, Plastic	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/m ²	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	Charging port type	DC-in jack
High Dynamic Range (HDR) supported	✓	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) technology	HDR True Black 600	USB Power Delivery	✓
Processor		Performance	
Processor manufacturer *	AMD	Repairability index	7.6
Processor family *	AMD Ryzen™ 9	Keyboard	
Processor model *	6900HX	Pointing device	Touchpad
Processor cores	8	Numeric keypad *	✓
Processor boost frequency	4.9 GHz		

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



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