

# Specification

Spec	N6506MV-OLED-MA045X	90NB12Y3-M004A0
Color	2G, Earl Grey	
Operating System	Windows 11 Pro - ASUS recommends Windows 11 Pro for business	
Processor	Intel® Core™ Ultra 9 Processor 185H 2.3 GHz (24MB Cache, up to 5.1 GHz, 16 cores, 22 Threads); Intel® AI Boost NPU	
Graphics	NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 Intel® Arc™ Graphics	
Neural Processor	Intel® AI Boost NPU	
Display	15.6-inch, 3K (2880 x 1620) OLED 16:9 aspect ratio, 0.2ms response time, 120Hz refresh rate, 400nits, 600nits 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)84%	
Memory	8GB DDR5 on board 16GB DDR5 SO-DIMM Max Total system memory up to:24GB	
Storage	1TB M.2 NVMe™ PCIe® 4.0 SSD	
Expansion Slots (includes used)	1x DDR5 SO-DIMM slot 2x M.2 2280 PCIe 4.0x4 1x USB 3.2 Gen 2 Type-C support display / power delivery 2x USB 3.2 Gen 1 Type-A 1x Thunderbolt™ 4 supports display / power delivery	
I/O Ports	1x HDMI 2.1 TMDS 1x 3.5mm Combo Audio Jack 1x RJ45 Gigabit Ethernet 1x DC-in SD 4.0 card reader	
Keyboard & Touchpad	Backlit Chiclet Keyboard with Num-key, 1.4mm Key-travel, Touchpad, support DialPad	
Camera	5.0M camera, With privacy shutter	
Audio	Smart Amp Technology Built-in speaker Built-in array microphone harman/kardon (Mainstream), with Cortana voice-recognition support	
Network and Communication	Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.), Wi-Fi 6E(802.11ax) (Dual band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.)	
Battery	75WHrs, 4S1P, 4-cell Li-ion	
Power Supply	ø6.0, 200W AC Adapter, Output: 20V DC, 10A, 200W, Input: 100~240V AC 50/60Hz universal	
Weight	1.80 kg (3.97 lbs)	
Dimensions (W x D x H)	35.57 x 23.53 x 1.99 ~ 1.99 cm (14.00" x 9.26" x 0.78" ~ 0.78")	
Built-in Apps	MyASUS ScreenXpert GlideX	
MyASUS Features	System diagnosis Battery health charging Fan Profile Splendid Tru2Life Function key lock WiFi SmartConnect Link to MyASUS TaskFirst Live update	

	ASUS OLED Care
	AI Noise Canceling
Microsoft Office	1-month trial for new Microsoft 365 customers. Credit card required.
Military Grade	US MIL-STD 810H military-grade standard
Ecolabels & Compliances	Energy star 8.0
	RoHS
	REACH
Security	BIOS Booting User Password Protection
	Trusted Platform Module (Firmware TPM)
	Microsoft Pluton security processor
	McAfee®
	IR webcam with Windows Hello support
Included in the Box	* Included accessories vary according to country and territory. Please check with your local ASUS retailer for details.
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.
OLED	OLED
	2G_1x USB 3.2 Gen 2 Type-C support display / power delivery
	2x USB 3.2 Gen 1 Type-A
SKU Image	1x Thunderbolt™ 4 supports display / power delivery
	SD 4.0 card reader
	Earl Grey_Touchpad