

ASUS Vivobook Pro 16 K6602ZC-N1107W Intel® Core™ i7 i7-12650H Laptop 40.6 cm (16") WUXGA 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6E (802.11ax) Windows 11 Home Silver

Brand : ASUS

Product family: Vivobook

Product code: 90NB0Z52-
M004V0

Product name : K6602ZC-
N1107W



- Windows 11 Home 64-bit
- Intel Core i7-12650H (24MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 3050 (4GB GDDR6)
- 16GB (2300MHz) DDR4-SDRAM & 512GB SSD
Intel Core i7-12650H (24MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 3050 (4GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
ASUS Vivobook Pro 16 K6602ZC-N1107W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12650H, Processor frequency: 2.3 GHz. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Home. Product colour: Silver

Design		Network	
Colour name	Cool Silver	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Laptop	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Silver	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Housing material	Aluminium	Ethernet LAN	✓
Market positioning	Performance	Ethernet LAN data rates	10,1000,100 Mbit/s
Display		Bluetooth	✓
Display diagonal *	40.6 cm (16")	Bluetooth version	5.0
Display resolution *	1920 x 1200 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	WUXGA	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Panel type	IPS	Ethernet LAN (RJ-45) ports	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
Display brightness	300 cd/m ²	Thunderbolt 4 ports quantity	1
RGB colour space	sRGB	Intel® Thunderbolt 4	✓
Colour gamut	100%	Combo headphone/mic port	✓
Maximum refresh rate	120 Hz	USB Type-C DisplayPort Alternate Mode	✓
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel® Core™ i7	Numeric keypad *	✓
Processor generation	12th gen Intel® Core™ i7	Keyboard backlight	✓
Processor model *	i7-12650H	Keyboard layout	QWERTY
Processor cores	10		
Processor boost frequency	4.7 GHz		
Processor frequency *	2.3 GHz		
Processor cache	24 MB		
Configurable TDP-down	35 W		

Memory		Software	
Internal memory *	16 GB	Operating system architecture	64-bit
Internal memory type	DDR4-SDRAM	Operating system installed *	Windows 11 Home
Memory clock speed	2300 MHz	Processor special features	
Maximum internal memory *	16 GB	Intel Flex Memory Access	✓
Storage		Intel VT-x with Extended Page Tables (EPT)	✓
Total storage capacity *	512 GB	Execute Disable Bit	✓
Storage media *	SSD	CPU configuration (max)	1
Total SSDs capacity	512 GB	Embedded options available	✗
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	512 GB	Intel Virtualization Technology (VT-x)	✓
SSD interface	PCI Express 4.0	Battery	
NVMe	✓	Battery technology	Lithium-Ion (Li-Ion)
SSD form factor	M.2	Number of battery cells	3
Optical drive type *	✗	Battery capacity *	70 Wh
Card reader integrated	✓	Power	
Compatible memory cards	MicroSD (TransFlash)	AC adapter power	150 W
Graphics		AC adapter frequency	50 - 60 Hz
Discrete GPU manufacturer	NVIDIA	AC adapter input voltage	100 - 240 V
Discrete graphics card model *	NVIDIA GeForce RTX 3050	AC adapter output current	7.5 A
Discrete graphics card memory	4 GB	AC adapter output voltage	20 V
Discrete graphics memory type	GDDR6	DC-in jack	✓
On-board graphics card *	✓	USB Power Delivery (USB PD)	✓
On-board GPU manufacturer	Intel	Security	
Discrete graphics card *	✓	Fingerprint reader	✓
On-board graphics card model *	Intel® UHD Graphics	Trusted Platform Module (TPM)	✓
Audio		Password protection	✓
Audio system	Smart Amp	Password protection type	BIOS, User
Speakers manufacturer	Harman Kardon	Weight & dimensions	
Built-in microphone	✓	Width	355.3 mm
Camera		Depth	252 mm
Front camera	✓	Height (front)	1.99 cm
Front camera HD type	Full HD	Height (rear)	2 cm
Privacy camera	✓	Weight *	1.7 kg
Privacy type	Privacy shutter		



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Publication date: 11-APR-2025. Prints or copies of Information are only valid on the printed Publication date