

## ASUS Vivobook Pro 16 K6602ZC-MB100W 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-  
M004L0



**Product name :** K6602ZC-  
MB100W

- 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-MB100W. 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
Market positioning	Performance	Ethernet LAN	✓
Display		Ethernet LAN data rates	10,1000,100 Mbit/s
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	1920 x 1200 pixels	Bluetooth version	5.0
Touchscreen *	✗	Ports & interfaces	
HD type	WUXGA	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Panel type	IPS	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
LED backlight	✓	Ethernet LAN (RJ-45) ports	1
Native aspect ratio	16:10	HDMI ports quantity *	1
Display brightness	300 cd/m <sup>2</sup>	HDMI version	2.1
RGB colour space	NTSC	Thunderbolt 4 ports quantity	1
Colour gamut	45%	Intel® Thunderbolt 4	✓
Maximum refresh rate	60 Hz	Combo headphone/mic port	✓
Processor		USB Type-C DisplayPort Alternate Mode	✓
Processor manufacturer *	Intel	Keyboard	
Processor family *	Intel® Core™ i7	Pointing device	Touchpad
Processor generation	12th gen Intel® Core™ i7	Numeric keypad *	✓
Processor model *	i7-12650H	Keyboard backlit	✓
Processor cores	10	Keyboard layout	QWERTY
Processor boost frequency	4.7 GHz		
Processor frequency *	2.3 GHz		
Processor cache	24 MB		
Configurable TDP-down	35 W		

<b>Memory</b>		<b>Software</b>	
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	<b>Processor special features</b>	
Maximum internal memory *	16 GB	Intel Flex Memory Access	✓
<b>Storage</b>		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	<b>Battery</b>	
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	✓	<b>Power</b>	
Compatible memory cards	MicroSD (TransFlash)	AC adapter power	150 W
<b>Graphics</b>		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	<b>Security</b>	
Discrete graphics card *	✓	Fingerprint reader	✓
On-board graphics card model *	Intel® UHD Graphics	Trusted Platform Module (TPM)	✓
<b>Audio</b>		Password protection	✓
Audio system	Smart Amp	Password protection type	BIOS, User
Speakers manufacturer	Harman Kardon	<b>Weight &amp; dimensions</b>	
Built-in microphone	✓	Width	355.3 mm
<b>Camera</b>		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		



4711081950561

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

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