



# MSI Pulse 17 B13VGK-696UK Laptop 43.9 cm (17.3") Full HD Intel® Core™ i9 i9-13900H 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6 (802.11ax) Windows 11 Home Grey

**Brand :** MSI

**Product family:** Pulse

**Product code:** PULSE 17  
B13VGK-696UK

**Product name :** Pulse 17  
B13VGK-696UK

- Windows 11 Home
  - Intel Core i9-13900H (24MB Cache)
  - 43.9 cm (17.3") Full HD 1920 x 1080, NVIDIA GeForce RTX 4070 (8GB GDDR6)
  - 16GB (5200MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD
- Intel Core i9-13900H (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080, Intel Iris Xe Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), WLAN, Webcam, Windows 11 Home

MSI Pulse 17 B13VGK-696UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13900H. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4070. Operating system installed: Windows 11 Home. Product colour: Grey



Design		Audio	
Colour name	Titanium Gray	Audio system	NAHIMIC 3
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Grey	Speakers manufacturer	Nahimic
Form factor *	Clamshell	Speaker power	2 W
Display		Camera	
Display diagonal *	43.9 cm (17.3")	Front camera	✓
Display resolution *	1920 x 1080 pixels	Front camera HD type	HD
Touchscreen *	✗	Video capturing speed	30 fps
HD type	Full HD	Network	
Display brightness	250 cd/m <sup>2</sup>	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Maximum refresh rate	144 Hz	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6 AX201
Processor generation	13th gen Intel® Core™ i9	Bluetooth	✓
Processor family *	Intel® Core™ i9	Bluetooth version	5.2
Processor model *	i9-13900H	Ports & interfaces	
Processor boost frequency	5.4 GHz	USB 2.0 ports quantity *	1
Efficient-core boost frequency	3.7 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Efficient-core Max Turbo Frequency	4.1 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Performance-core Max Turbo Frequency	5.4 GHz	Ethernet LAN (RJ-45) ports	1
Processor cores	14	HDMI ports quantity *	1
Performance cores	6	Combo headphone/mic port	✓
Efficient cores	8	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	24 MB	Keyboard	
Processor cache type	Smart Cache	Pointing device	Touchpad
Motherboard chipset	Intel HM770		
Configurable TDP-down	35 W		

<b>Processor</b>		<b>Keyboard</b>	
Processor base power	45 W	Numeric keypad *	✓
Maximum turbo power	115 W	Keyboard backlit	✓
<b>Memory</b>		Keyboard backlit colour	RGB
Internal memory *	16 GB	Keyboard backlit zone	4-zone RGB
Internal memory type	DDR5-SDRAM	<b>Software</b>	
Memory clock speed	5200 MHz	Operating system installed *	Windows 11 Home
Memory layout (slots x size)	2 x 8 GB	<b>Processor special features</b>	
Maximum internal memory *	64 GB	Intel Flex Memory Access	✓
<b>Storage</b>		Intel Trusted Execution Technology	✓
Total storage capacity *	1 TB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage media *	SSD	Execute Disable Bit	✓
Total SSDs capacity	1 TB	CPU configuration (max)	1
Number of SSDs installed	1	Embedded options available	✗
SSD capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD interface	PCI Express 4.0	Intel Virtualization Technology (VT-x)	✓
NVMe	✓	<b>Battery</b>	
Optical drive type *	✗	Number of battery cells	4
<b>Graphics</b>		Battery capacity *	90 Wh
Discrete GPU manufacturer	NVIDIA	<b>Power</b>	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	AC adapter power	240 W
On-board graphics card *	✓	<b>Weight &amp; dimensions</b>	
Discrete graphics card *	✓	Width	398 mm
On-board graphics card model *	Intel Iris Xe Graphics	Depth	273 mm
Discrete graphics card memory	8 GB	Height	27.2 mm
Discrete graphics memory type	GDDR6	Weight *	2.7 kg

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