



**MSI Pulse 17 B13VGK-696UK Intel® Core™ i9 i9-13900H Laptop
43.9 cm (17.3") Full HD 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	Number of built-in speakers	2
Product type *	Laptop	Speakers manufacturer	Nahimic
Product colour *	Grey	Speaker power	2 W
Form factor *	Clamshell	Camera	
Display		Front camera	✓
Display diagonal *	43.9 cm (17.3")	Front camera HD type	HD
Display resolution *	1920 x 1080 pixels	Video capturing speed	30 fps
Touchscreen *	✗	Network	
HD type	Full HD	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display brightness	250 cd/m ²	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Maximum refresh rate	144 Hz	Mobile network connection *	✗
Processor		WLAN controller model	Intel Wi-Fi 6 AX201
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel® Core™ i9	Bluetooth version	5.2
Processor generation	13th gen Intel® Core™ i9	Ports & interfaces	
Processor model *	i9-13900H	USB 2.0 ports quantity *	1
Processor cores	14	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor boost frequency	5.4 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Performance cores	6	Ethernet LAN (RJ-45) ports	1
Efficient cores	8	HDMI ports quantity *	1
Performance-core Max Turbo Frequency	5.4 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.1 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core boost frequency	3.7 GHz	Performance	
Processor cache	24 MB	Motherboard chipset	Intel HM770
Processor cache type	Smart Cache		
Configurable TDP-down	35 W		
Processor base power	45 W		

Processor		Keyboard	
Maximum turbo power	115 W	Pointing device	Touchpad
Memory		Numeric keypad *	✓
Internal memory *	16 GB	Keyboard backlit	✓
Internal memory type	DDR5-SDRAM	Keyboard backlit colour	RGB
Memory clock speed	5200 MHz	Keyboard backlit zone	4-zone RGB
Memory layout (slots x size)	2 x 8 GB	Software	
Maximum internal memory *	64 GB	Operating system installed *	Windows 11 Home
Storage		Processor special features	
Total storage capacity *	1 TB	Intel Flex Memory Access	✓
Storage media *	SSD	Intel Trusted Execution Technology	✓
Total SSDs capacity	1 TB	Intel VT-x with Extended Page Tables (EPT)	✓
Number of SSDs installed	1	Execute Disable Bit	✓
SSD capacity	1 TB	CPU configuration (max)	1
SSD interface	PCI Express 4.0	Embedded options available	✗
NVMe	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Number of battery cells	4
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Battery capacity *	90 Wh
Discrete graphics card memory	8 GB	Power	
Discrete graphics memory type	GDDR6	AC adapter power	240 W
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card *	✓	Width	398 mm
On-board graphics card model *	Intel Iris Xe Graphics	Depth	273 mm
Audio		Height	27.2 mm
Audio system	NAHIMIC 3	Weight *	2.7 kg



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Publication date: 18-JUN-2024. Prints or copies of Information are only valid on the printed Publication date