MSI Pulse 15 B13VGK-1416UK Laptop 39.6 cm (15.6") Quad HD Intel® Core™ i9 i9-13900H 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Grey

Brand : MSI

Product family: Pulse

Product code: PULSE 15 B13VGK-1416UK

Product name : Pulse 15 B13VGK-1416UK

- Windows 11 Home
- Intel Core i9-13900H (24MB Cache)
- 39.6 cm (15.6") Quad HD 2560 x 1440, 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, 39.6 cm (15.6") Quad HD 2560 x 1440, Intel Iris Xe Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), WLAN, Webcam, Windows 11 Home

MSI Pulse 15 B13VGK-1416UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13900H. Display diagonal: 39.6 cm (15.6"), HD type: Quad HD, Display resolution: 2560 x 1440 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	
Colour name	Titanium Gray
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	2560 x 1440 pixels
Touchscreen *	✗
HD type	Quad HD
Anti-glare screen	✓
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	165 Hz

Processor	
Processor manufacturer *	Intel
Processor generation	13th gen Intel® Core™ i9
Processor family *	Intel® Core™ i9
Processor model *	i9-13900H
Processor boost frequency	5.4 GHz
Efficient-core Max Turbo Frequency	4.1 GHz
Performance-core Max Turbo Frequency	5.4 GHz
Processor cores	14
Performance cores	6
Efficient cores	8
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	45 W

Graphics	
On-board graphics card model *	Intel Iris Xe Graphics
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6

Audio	
Number of built-in speakers	2
Speaker power	2 W

Camera	
Front camera	✓
Front camera HD type	HD
Video capturing speed	30 fps

Network	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
WLAN controller model	Intel Wi-Fi 6E AX210
WLAN controller manufacturer	Intel
Bluetooth	✓
Bluetooth version	5.2

Ports & interfaces	
USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
Combo headphone/mic port	✓

Processor	
Maximum turbo power	115 W
Memory	
Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5200 MHz
Memory layout (slots x size)	2 x 8 GB
Maximum internal memory *	64 GB
Storage	
Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
Optical drive type *	✗
Graphics	
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4070
On-board graphics card *	✓
Discrete graphics card *	✓
On-board graphics card family	Intel Iris Xe Graphics

Ports & interfaces	
USB Type-C DisplayPort Alternate Mode	✓
Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB
Keyboard backlit zone	4-zone RGB
Software	
Operating system installed *	Windows 11 Home
Battery	
Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	90 Wh
Power	
AC adapter power	240 W
Weight & dimensions	
Width	359 mm
Depth	259 mm
Height	26.9 mm
Weight *	2.3 kg

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Publication date: 29-FEB-2024. Prints or copies of Information are only valid on the printed Publication date