



MSI Katana 17 B13VEK-1048XFR Intel® Core™ i5 i5-13420H Laptop 43,9 cm (17.3") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) FreeDOS Black

Brand : MSI

Product family: Katana

Article code: KATANA 17
B13VEK-1048XFR

Product name : Katana 17
B13VEK-1048XFR

MSI Katana 17 B13VEK-1048XFR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-13420H. 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: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: FreeDOS. Product color: Black



Design		Graphics	
Product type *	Laptop	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black	Graphics card Open GL support	✓
Form factor *	Clamshell	Audio	
Display		Number of built-in speakers	2
Display diagonal *	43.9 cm (17.3")	Speaker power	2 W
Display resolution *	1920 x 1080 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	Full HD	Front camera HD type	HD
Native aspect ratio	16:9	Video capturing speed	30 fps
Anti-glare screen	✓	Network	
RGB colour space	NTSC	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Colour gamut	45%	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Maximum refresh rate	144 Hz	Mobile network connection *	✗
Processor		WLAN controller model	Intel Wi-Fi 6E AX211
Processor manufacturer *	Intel	WLAN controller manufacturer	Intel
Processor family *	Intel® Core™ i5	Ethernet LAN	✓
Processor generation	13th gen Intel® Core™ i5	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor model *	i5-13420H	Bluetooth	✓
Processor cores	8	Bluetooth version	5.2
Processor boost frequency	4.6 GHz	Ports & interfaces	
Performance cores	4	USB 2.0 ports quantity *	1
Efficient cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Performance-core Max Turbo Frequency	4.6 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient-core Max Turbo Frequency	3.4 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core boost frequency	3.6 GHz	HDMI ports quantity *	1
Processor cache	12 MB		
Processor cache type	Smart Cache		

Processor		Ports & interfaces	
Configurable TDP-down	35 W	HDMI version	2.1
Processor base power	45 W	Combo headphone/mic port	✓
Maximum turbo power	95 W	USB Type-C DisplayPort Alternate Mode	✓
Memory		Performance	
Internal memory *	16 GB	Repairability index	8.1
Internal memory type	DDR5-SDRAM	Keyboard	
Memory clock speed	5200 MHz	Pointing device	Touchpad
Memory form factor	SO-DIMM	Numeric keypad *	✓
Memory layout (slots x size)	2 x 8 GB	Keyboard backlit	✓
Memory slots	2x SO-DIMM	Keyboard backlit colour	RGB
Maximum internal memory *	64 GB	Keyboard backlit zone	4-zone RGB
Storage		Software	
Total storage capacity *	512 GB	Operating system installed *	FreeDOS
Storage media *	SSD	Processor special features	
Total SSDs capacity	512 GB	Execute Disable Bit	✓
Number of SSDs installed	1	CPU configuration (max)	1
SSD capacity	512 GB	Embedded options available	✗
SSD interface	PCI Express 4.0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
NVMe	✓	Intel Virtualization Technology (VT-x)	✓
Optical drive type *	✗	Battery	
Graphics		Battery technology	Lithium Polymer (LiPo)
Discrete GPU manufacturer	NVIDIA	Number of battery cells	3
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Battery capacity *	53.5 Wh
Discrete graphics card memory	6 GB	Power	
Discrete graphics memory type	GDDR6	AC adapter power	200 W
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card *	✓	Width	398 mm
On-board graphics card family	Intel® UHD Graphics	Depth	273 mm
		Height	25.2 mm
		Weight *	2.6 kg



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