

MSI Gaming GF66 12UE-004CA Katana Intel® Core™ i7 i7-12700H Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3060 Wi-Fi 6 (802.11ax) Windows 11 Home Black



Brand : MSI

Product family: Gaming

Product code: GF66
12UE-004CA

Product name : GF66
12UE-004CA Katana

- Windows 11 Home
- Intel Core i7-12700H (24MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 3060 (6GB GDDR6)
- 16GB (3200MHz) DDR4-SDRAM (2 x 8) & 512GB SSD
Intel Core i7-12700H (24MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3060 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

MSI Gaming GF66 12UE-004CA Katana. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12700H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 3060. Operating system installed: Windows 11 Home. Product colour: Black

Design		Camera	
Product type *	Laptop	Front camera HD type	HD
Product colour *	Black	Video capturing speed	30 fps
Form factor *	Clamshell		
Display		Network	
Display diagonal *	39.6 cm (15.6")	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display resolution *	1920 x 1080 pixels	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Full HD	Antenna type	2x2
Native aspect ratio	16:9	WLAN controller model	Intel Wi-Fi 6 AX201
RGB colour space	NTSC	WLAN controller manufacturer	Intel
Colour gamut	45%	Ethernet LAN	✓
Maximum refresh rate	144 Hz	Ethernet LAN data rates	10,100,1000 Mbit/s
		Bluetooth	✓
		Bluetooth version	5.2
Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	1
Processor family *	Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor generation	12th gen Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor model *	i7-12700H	Ethernet LAN (RJ-45) ports	1
Processor cores	14	HDMI ports quantity *	1
Processor cache	24 MB	Headphone outputs	1
Configurable TDP-down	35 W	Combo headphone/mic port	✓
Memory		Keyboard	
Internal memory *	16 GB	Pointing device	Touchpad
Internal memory type	DDR4-SDRAM	Numeric keypad *	✓
Memory clock speed	3200 MHz	Keyboard backlit	✓
Memory form factor	SO-DIMM	Keyboard backlit colour	Red
Memory layout (slots x size)	2 x 8 GB		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Storage		Software	
Total storage capacity *	512 GB	Operating system installed *	Windows 11 Home
Storage media *	SSD		

Storage		Processor special features	
Total SSDs capacity	512 GB	Intel Flex Memory Access	✓
Number of SSDs installed	1	Intel Trusted Execution Technology	✓
SSD capacity	512 GB	Intel VT-x with Extended Page Tables (EPT)	✓
SSD interface	NVMe, PCI Express	Execute Disable Bit	✓
NVMe	✓	CPU configuration (max)	1
Optical drive type *	✗	Embedded options available	✗
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	
Discrete GPU manufacturer	NVIDIA	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3060	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	6 GB	Battery	
Discrete graphics memory type	GDDR6	Battery technology	Lithium Polymer (LiPo)
On-board graphics card *	✓	Number of battery cells	3
On-board GPU manufacturer	Intel	Battery capacity *	53.5 Wh
Discrete graphics card *	✓	Power	
On-board graphics card model *	Intel Iris Xe Graphics	AC adapter power	240 W
Audio		Weight & dimensions	
Number of built-in speakers	2	Width	359 mm
Speaker power	2 W	Depth	259 mm
Front camera	✓	Height	24.9 mm
		Weight *	2.25 kg



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