



**MSI Gaming Katana GF76 12UGSZOK Intel® Core™ i7 i7-12650H Laptop 43.9 cm (17.3") Full HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3070 Ti Wi-Fi 6 (802.11ax) Windows 11 Home Black**

**Brand :** MSI

**Product family:** Gaming

**Product code:** KATANA GF76 12UGSZOK-642UK



**Product name :** Katana GF76 12UGSZOK

- Windows 11 Home  
 - Intel Core i7-12650H (25MB Cache)  
 - 43.9 cm (17.3") Full HD 1920 x 1080 IPS, NVIDIA GeForce RTX 3070 Ti (8GB GDDR6)  
 - 16GB (4800MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD  
 Intel Core i7-12650H (25MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 3070 Ti (8GB GDDR6), WLAN, Webcam, Windows 11 Home  
 MSI Gaming Katana GF76 12UGSZOK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12650H. 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® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 3070 Ti. Operating system installed: Windows 11 Home. Product colour: Black



**READERS' CHOICE**  
LAPTOPS BRAND 2022



<b>Design</b>		<b>Graphics</b>	
Product type *	Laptop	On-board graphics card family	Intel® UHD Graphics
Product colour *	Black	On-board graphics card model *	Intel® UHD Graphics
Form factor *	Clamshell	<b>Audio</b>	
Market positioning	Gaming	Number of built-in speakers	2
<b>Display</b>		Speaker power	4 W
Display diagonal *	43.9 cm (17.3")	<b>Camera</b>	
Display resolution *	1920 x 1080 pixels	Front camera	✓
Touchscreen *	✗	Front camera HD type	HD
HD type	Full HD	Video capturing speed	30 fps
Panel type	IPS	<b>Network</b>	
LED backlight	✓	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Native aspect ratio	16:9	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Maximum refresh rate	144 Hz	Mobile network connection *	✗
<b>Processor</b>		Antenna type	2x2
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6 AX201
Processor family *	Intel® Core™ i7	WLAN controller manufacturer	Intel
Processor generation	12th gen Intel® Core™ i7	Bluetooth	✓
Processor model *	i7-12650H	Bluetooth version	5.2
Processor cores	10	<b>Ports &amp; interfaces</b>	
Performance-core boost frequency	4.7 GHz	USB 2.0 ports quantity *	1
Efficient-core boost frequency	3.5 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor cache	25 MB	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor cache type	Smart Cache	Ethernet LAN (RJ-45) ports	1
Configurable TDP-down	35 W	HDMI ports quantity *	1
Processor base power	45 W		
Maximum turbo power	115 W		
<b>Memory</b>			
Internal memory *	16 GB		

<b>Memory</b>		<b>Ports &amp; interfaces</b>	
Internal memory type	DDR5-SDRAM	HDMI version	2.1
Memory clock speed	4800 MHz	Headphone outputs	1
Memory layout (slots x size)	2 x 8 GB	Microphone in	✓
Memory slots	2x SO-DIMM	Combo headphone/mic port	✓
Maximum internal memory *	64 GB		
<b>Storage</b>		<b>Keyboard</b>	
Total storage capacity *	1 TB	Pointing device	Touchpad
Storage media *	SSD	Numeric keypad *	✓
Total SSDs capacity	1 TB	Keyboard backlit	✓
Number of SSDs installed	1	Keyboard backlit colour	RGB
SSD capacity	1 TB	Island-style keyboard	✓
SSD interface	PCI Express 4.0		
NVMe	✓	<b>Software</b>	
SSD form factor	M.2	Operating system installed *	Windows 11 Home
Optical drive type *	✗	<b>Processor special features</b>	
<b>Graphics</b>		<b>Battery</b>	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card model *	NVIDIA GeForce RTX 3070 Ti	Number of battery cells	3
Discrete graphics card memory	8 GB	Battery capacity *	53.5 Wh
Discrete graphics memory type	GDDR6		
On-board graphics card *	✓	<b>Power</b>	
On-board GPU manufacturer	Intel	AC adapter power	240 W
Discrete graphics card *	✓	<b>Weight &amp; dimensions</b>	
		Width	398 mm
		Depth	273 mm
		Height	28.2 mm
		Weight *	2.6 kg
		<b>Packaging data</b>	
		Package width	562 mm
		Package depth	100 mm
		Package height	354 mm
		Package weight	0.5 g
		Package volume	19600 cm <sup>3</sup>



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