



# MSI Pulse GL66 12UEK-003CA Intel® Core™ i7 i7-12700H Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 1 TB SSD NVIDIA GeForce RTX 3060 Wi-Fi 6 (802.11ax) Windows 11 Home Grey, Titanium



**Brand :** MSI

**Product family:** Pulse

**Product code:** PULSE GL66  
12UEK-003CA

**Product name :** Pulse GL66  
12UEK-003CA

- Windows 11 Home
  - Intel Core i7-12700H (24MB Cache)
  - 39.6 cm (15.6") Full HD 1920 x 1080 IPS-Level, NVIDIA GeForce RTX 3060 (6GB GDDR6)
  - 16GB (3200MHz) DDR4-SDRAM & 1000GB SSD
- Intel Core i7-12700H (24MB Cache), 16GB DDR4-SDRAM, 1000GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS-Level, NVIDIA GeForce RTX 3060 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home  
MSI Pulse GL66 12UEK-003CA. 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: 2560 x 1440 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. Discrete graphics card model: NVIDIA GeForce RTX 3060. Operating system installed: Windows 11 Home. Product colour: Grey, Titanium. Weight: 2.25 kg

Design		Audio	
Product type *	Laptop	Speaker power	2 W
Product colour *	Grey, Titanium	Camera	
Form factor *	Clamshell	Front camera	✓
Original brand name	MSI	Front camera HD type	HD
Display		Network	
Display diagonal *	39.6 cm (15.6")	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display resolution *	2560 x 1440 pixels	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Full HD	Antenna type	2x2
Panel type	IPS-Level	WLAN controller model	Intel Wi-Fi 6 AX201
Native aspect ratio	16:9	WLAN controller manufacturer	Intel
Maximum refresh rate	144 Hz	Ethernet LAN	✓
Processor		Ethernet LAN data rates	10,100,1000 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel® Core™ i7	Bluetooth version	5.2
Processor generation	12th gen Intel® Core™ i7	Ports & interfaces	
Processor model *	i7-12700H	USB 2.0 ports quantity *	1
Processor cores	14	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor threads	20	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor boost frequency	4.7 GHz	Ethernet LAN (RJ-45) ports	1
Performance cores	6	HDMI ports quantity *	1
Efficient cores	8	HDMI version	2.1
Performance-core Max Turbo Frequency	4.7 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	3.5 GHz	Keyboard	
Processor cache	24 MB	Pointing device	Touchpad
Processor cache type	Smart Cache	Numeric keypad *	✓
Configurable TDP-down	35 W	Keyboard backlit	✓
Processor base power	45 W	Keyboard backlit colour	RGB
Maximum turbo power	115 W		
Memory			
Internal memory *	16 GB		

<b>Memory</b>		<b>Software</b>	
Internal memory type	DDR4-SDRAM	Operating system installed *	Windows 11 Home
Memory clock speed	3200 MHz	<b>Processor special features</b>	
Memory form factor	SO-DIMM	Intel Flex Memory Access	✓
Memory slots	2x SO-DIMM	Intel Trusted Execution Technology	✓
Maximum internal memory *	64 GB	Intel VT-x with Extended Page Tables (EPT)	✓
<b>Storage</b>		Intel Stable Image Platform Program (SIPP)	✓
Total storage capacity *	1 TB	Execute Disable Bit	✓
Storage media *	SSD	CPU configuration (max)	1
Total SSDs capacity	1 TB	Embedded options available	✗
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	1 TB	Intel Virtualization Technology (VT-x)	✓
SSD interface	PCI Express 4.0	<b>Battery</b>	
NVMe	✓	Battery technology	Lithium Polymer (LiPo)
Optical drive type *	✗	Number of battery cells	3
<b>Graphics</b>		Battery capacity *	53.5 Wh
Discrete GPU manufacturer	NVIDIA	<b>Power</b>	
Discrete graphics card model *	NVIDIA GeForce RTX 3060	AC adapter power	240 W
Discrete graphics card memory	6 GB	<b>Weight &amp; dimensions</b>	
Discrete graphics memory type	GDDR6	Width	359 mm
On-board graphics card *	✓	Depth	259 mm
On-board GPU manufacturer	Intel	Height	23.9 mm
Discrete graphics card *	✓	Weight *	2.25 kg
<b>Audio</b>		<b>Packaging content</b>	
Number of built-in speakers	2	AC adapter included *	✓

## Catalog Object Cloud



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