msi

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

Product type *	Laptop
Product colour *	Grey, Titanium
Form factor *	Clamshell
Original brand name	MSI

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	2560 x 1440 pixels
Touchscreen *	✘
HD type	Full HD
Panel type	IPS-Level
Native aspect ratio	16:9
Maximum refresh rate	144 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	12th gen Intel® Core™ i7
Processor model *	i7-12700H
Processor cores	14
Processor threads	20
Processor boost frequency	4.7 GHz
Performance cores	6
Efficient cores	8
Performance-core Max Turbo Frequency	4.7 GHz
Efficient-core Max Turbo Frequency	3.5 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Configurable TDP-down	35 W
Processor base power	45 W
Maximum turbo power	115 W

Memory

Internal memory *	16 GB

Audio

Speaker power	2 W

Camera

Front camera	✔
Front camera HD type	HD

Network

Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6 AX201
WLAN controller manufacturer	Intel
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
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
HDMI version	2.1
Combo headphone/mic port	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB

Memory

Internal memory type	DDR4-SDRAM
Memory clock speed	3200 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
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
SSD interface	PCI Express 4.0
NVMe	✔
Optical drive type *	✘

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3060
Discrete graphics card memory	6 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔

Audio

Number of built-in speakers	2

Software

Operating system installed *	Windows 11 Home

Processor special features

Intel Flex Memory Access	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Stable Image Platform Program (SIPP)	✔
Execute Disable Bit	✔
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	3
Battery capacity *	53.5 Wh

Power

AC adapter power	240 W

Weight & dimensions

Width	359 mm
Depth	259 mm
Height	23.9 mm
Weight *	2.25 kg

Packaging content

AC adapter included *	✔

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