



SPECIFICATIONS

Operating System	Windows 11 Home - MSI recommends Windows 11 Pro for business
CPU	Intel® Core™ i7-12700 Intel® Core™ i7-12700F Intel® Core™ i5-12400 Intel® Core™ i5-12400F
Chipset	Intel® 610
Graphics	GeForce RTX™ 4060 VENTUS 2X BLACK 8G OC (3xDP, 1xHDMI™) GeForce RTX™ 3060 VENTUS 2X 8G (3xDP, 1xHDMI™) GeForce GTX 1650 D6 VENTUS XS OCV1 (1xDP, 1xHDMI™, 1xDL-DVI-D) GeForce GT 1030 AERO ITX 2GD4 OC (1xSL-DVI-D, 1xHDMI™)
Storage	1x M.2 SSD (auto switch) 1x 2.5" HDD / SSD 1x 3.5" HDD
System Memory	2x DDR4 3200MHz U-DIMMs, up to 64GB
I/O (Front)	1x USB 3.2 Gen 2 Type C 2x USB 3.2 Gen 1 Type A 1x Mic-in 1x Headphone-out 1x Card Reader (Support SD & Micro SD Card)
I/O (Rear)	1x USB 3.2 Gen 1 Type A 4x USB 2.0 Type A 2x RJ45 LAN (2.5G & 1G) 1x HDMI™ out (supports 4K @60Hz as specified in HDMI™ 2.1) 1x DisplayPort (1.4) 1x D-Sub (VGA) 1x COM port 1x PS/2 3x Audio Jack 1x Kensington Lock 1x Padlock
Wireless LAN	Intel® Wi-Fi AC3168 / Intel® Wi-Fi AC9462 / Wi-Fi 6E AX211
Bluetooth	4.2 (for AC3168) / 5.1 (for AC9462) / 5.3 (for AX211)
LAN	Intel® I226V (2.5G LAN) + Intel® I219-V (1G LAN)
Cooling System	Fan Cooler
SOUND	Realtek® ALC897
AC Adapter / PSU	ATX 500W 80 Plus Bronze Certified PSU

FEATURES



Intel 12th Gen Processors

Equipped with 12th Gen Intel® Core™ i7 processor. Up to 50% performance increase than previous generation.



Built-in Card Reader

The built-in card reader supports Micro SD & SD Card to bring the best compatibility and convenience

Wi-Fi 6E



The latest WiFi 6E delivers stunning speed while keeps the network smooth and stable even when sharing the network with numerous users.



Dual LAN

Dual LAN design provides the second LAN backup and a safer network environment



Various IO Design

With a complete array of I/O ports, it can connect all devices that you need.



Easy to upgrade

Easy to access and upgrade components to keep the system up to date with the latest hardware.



TPM Support

FW TPM design secures your confidential data with encryption keys.



MSI Cloud Center

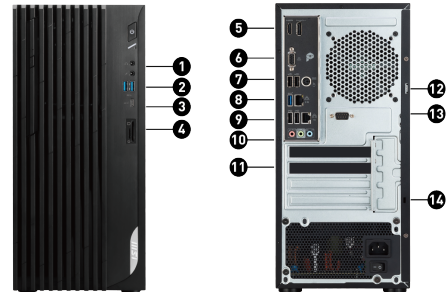
MSI Cloud Center app brings you a private cloud and helps backup files of your mobile devices (Android & iOS)



MSI Center

The MSI Center takes optimization to the next level with easily adjustable system modes and resources for a wide range of scenarios and needs.

CONNECTIONS



- | | |
|--|---|
| 1. 1x Headphone-out / 1x Mic-in | 2. 2x USB 3.2 Gen 1 Type A |
| 3. 1x USB 3.2 Gen 2 Type C | 4. 1x Card Reader (Support SD & Micro SD Card) |
| 5. 1x HDMI™ out (2.1) / 1x DisplayPort (1.4) | 6. 1x D-Sub (VGA) |
| 7. 2x USB 2.0 Type A / 1x PS/2 | 8. 1x USB 3.2 Gen 1 Type A / 1x RJ45 LAN (2.5G LAN) |
| 9. 2x USB 2.0 Type A / 1x RJ45 LAN (1G LAN) | 10. 3x Audio Jack |
| 11. 1x Graphics Card | 12. 1x Padlock |
| 13. 1x COM Port | 14. 1x Kensington Lock |

MANAGEMENT UTILITY

MSI Cloud Center: Backup files of your mobile devices (Android & iOS), Private Personal Folder, Public Folder, File Synchronization, File Sharing
MSI Center: Hardware Monitoring, Free Up Memory, Clean Up Disk, LAN Manager, MSI Recovery, F3 Recovery, Devices Speed Up, Smart Priority, Smart Image Finder, Live Update, Microsoft App Update, System Info, Troubleshooting, Contact Us, MSI Forum & Channel

SECURITY UTILITY & DEVICE

MSI Center: System Diagnosis

SECURITY

Support Hardware TPM 2.0

Dimension (WxDxH)

168 x 323 x 369 mm (6.61 x 12.72 x 14.53 inch)

WEIGHT (N.W./ G.W.)

7.59 kg (16.74 lbs) / 9.03 kg (19.91)

Volume

18 Liter/ 38.04pt

Accessories

1x Power Cord
1x Quick Guide

Certificates

FCC, CB/CE, UL & CUL, VCCI, RCM, ENERGY STAR