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MSI Aegis 12TJ-251US Intel® Core™ i9 i9-12900K 32 GB DDR5-SDRAM 4 TB HDD+SSD NVIDIA GeForce RTX 3090 Windows 11 Home Desktop PC Black

Brand : MSI　　　　**Product family:** Aegis　　　　**Product code:** AERS12TJ251

Product name : 12TJ-251US

Intel Core i9-12900K 3.2-5.2 GHz, RTX 3090 24GB, 32GB DDR5 4800 Mhz, 2TB M.2 NVMe SSD, 2TB 3.5" 7200 RPM HDD, Windows 11 Home, 7.1 HD Audio, 850W 80 Plus Gold, LED RGB lighting, 430x215x450 mm, 13.6 kg

MSI Aegis 12TJ-251US Intel® Core™ i9 i9-12900K 32 GB DDR5-SDRAM 4 TB HDD+SSD NVIDIA GeForce RTX 3090 Windows 11 Home Desktop PC Black:

The Aegis RS is built exclusively with MSI components that are tried and true in performance and reliability. All MSI components undergo rigorous quality control to ensure reliability and durability for a superior PC performance. The Aegis RS is built to last with its easy upgradability. Start your journey to becoming an Esports champion with the Aegis RS. A slick matte black desktop with a premium build made exclusively for pro-level gaming. As your game advances, so will the Aegis RS with its simple upgradability. It's built to be your companion for the long road ahead on your quest to becoming the world's best.

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	12th gen Intel® Core™ i9
Processor model *	i9-12900K
Processor cores	16
Processor threads	24
Processor boost frequency	5.2 GHz
Processor frequency *	3.2 GHz
Performance cores	8
Efficient cores	8
Processor cache	30 MB
Bus type	DMI4

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	2 x 16 GB
Memory slots	2x SO-DIMM
Memory clock speed	4800 MHz

Storage

Total storage capacity *	4 TB
Storage media *	HDD+SSD
Optical drive type *	✗
Total HDDs capacity	2 TB
Number of HDDs installed	1
HDD capacity	2 TB
HDD speed	7200 RPM
Total SSDs capacity	2 TB
Number of SSDs installed	1

Ports & interfaces

USB 3.2 Gen 2x2 Type-C ports quantity	2
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	3
DisplayPort version	1.4a
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Total number of SATA connectors	6
Number of SATA III connectors	6

Expansion slots

PCI Express x1 (Gen 3.x) slots	1
PCI Express x4 (Gen 3.x) slots	1
PCI Express x4 (Gen 4.x) slots	3
PCI Express x16 (Gen 3.x) slots	2
PCI Express x16 (Gen 4.x) slots	1

Design

Chassis type *	Desktop
Water cooling system	✔
Number of 3.5" bays	2
Product colour *	Black

Performance

Market positioning	Gaming
Powered by	MSI
Motherboard chipset	Intel Z690
Audio chip	Realtek ALC897
Audio output channels	7.1 channels

Storage

SSD capacity	2 TB
SSD memory type	TLC
SSD interface	M.2, NVMe
NVMe	✔
SSD form factor	M.2

Graphics

Discrete graphics card *	✔
Discrete GPU manufacturer	NVIDIA
On-board graphics card *	✔
Discrete graphics card model *	NVIDIA GeForce RTX 3090
Discrete graphics card memory	24 GB
Discrete graphics memory type	GDDR6X
On-board GPU manufacturer	Intel
On-board graphics card model *	Intel UHD Graphics 770
Graphics card HDMI ports quantity	1
Graphics card DisplayPorts quantity	3

Network

Ethernet LAN *	✔
Ethernet LAN data rates	2500 Mbit/s
LAN controller	Intel I225-V
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Bluetooth	✔
Bluetooth version	5.2

Ports & interfaces

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1

Performance

Product type *	PC

Software

Operating system installed *	Windows 11 Home

Processor special features

Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Idle States	✔
Intel Stable Image Platform Program (SIPP)	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Power

Power supply *	850 W
80 PLUS certification	80 PLUS Gold

Weight & dimensions

Width *	215 mm
Depth *	430 mm
Height *	450 mm
Weight *	13.6 kg

Display

Display included *	✘

Catalog Object Cloud