



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

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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		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor family *	Intel® Core™ i9	HDMI ports quantity *	1
Processor generation	12th gen Intel® Core™ i9	HDMI version	2.1
Processor model *	i9-12900K	DisplayPorts quantity	3
Processor cores	16	DisplayPort version	1.4a
Processor threads	24	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.2 GHz	Microphone in	✓
Processor frequency *	3.2 GHz	Headphone outputs	1
Performance cores	8	Total number of SATA connectors	6
Efficient cores	8	Number of SATA III connectors	6
Processor cache	30 MB	Expansion slots	
Bus type	DMI4	PCI Express x1 (Gen 3.x) slots	1
Memory		PCI Express x4 (Gen 3.x) slots	1
Internal memory *	32 GB	PCI Express x4 (Gen 4.x) slots	3
Internal memory type	DDR5-SDRAM	PCI Express x16 (Gen 3.x) slots	2
Memory layout (slots x size)	2 x 16 GB	PCI Express x16 (Gen 4.x) slots	1
Memory slots	2x SO-DIMM	Design	
Memory clock speed	4800 MHz	Chassis type *	Desktop
Storage		Water cooling system	✓
Total storage capacity *	4 TB	Number of 3.5" bays	2
Storage media *	HDD+SSD	Product colour *	Black
Optical drive type *	✗	Performance	
Total HDDs capacity	2 TB	Market positioning	Gaming
Number of HDDs installed	1	Powered by	MSI
HDD capacity	2 TB	Motherboard chipset	Intel Z690
HDD speed	7200 RPM	Audio chip	Realtek ALC897
Total SSDs capacity	2 TB	Audio output channels	7.1 channels
Number of SSDs installed	1		

Storage		Performance	
SSD capacity	2 TB	Product type *	PC
SSD memory type	TLC	Software	
SSD interface	M.2, NVMe	Operating system installed *	Windows 11 Home
NVMe	✓	Processor special features	
SSD form factor	M.2	Intel 64	✓
Graphics		Enhanced Intel SpeedStep Technology	✓
Discrete graphics card *	✓	Embedded options available	✗
Discrete GPU manufacturer	NVIDIA	Intel VT-x with Extended Page Tables (EPT)	✓
On-board graphics card *	✓	Idle States	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3090	Intel Stable Image Platform Program (SIPP)	✓
Discrete graphics card memory	24 GB	Intel Trusted Execution Technology	✓
Discrete graphics memory type	GDDR6X	Execute Disable Bit	✓
On-board GPU manufacturer	Intel	CPU configuration (max)	1
On-board graphics card model *	Intel UHD Graphics 770	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics card HDMI ports quantity	1	Intel Virtualization Technology (VT-x)	✓
Graphics card DisplayPorts quantity	3	Power	
Network		Power supply *	850 W
Ethernet LAN *	✓	80 PLUS certification	80 PLUS Gold
Ethernet LAN data rates	2500 Mbit/s	Weight & dimensions	
LAN controller	Intel I225-V	Width *	215 mm
Wi-Fi *	✓	Depth *	430 mm
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	Height *	450 mm
Wi-Fi standards	Wi-Fi 6E (802.11ax)	Weight *	13.6 kg
Bluetooth	✓	Display	
Bluetooth version	5.2	Display included *	✗
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		

Catalog Object Cloud



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