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

Storage		Performance	
SSD capacity	2 TB	Product type *	PC
SSD memory type	TLC	Software	
SSD interface NVMe	M.2, NVMe	Operating system installed *	Windows 11 Home
SSD form factor	M.2	Processor special features	
Graphics		Intel 64	✓
Discrete graphics card *	✓	Enhanced Intel SpeedStep Technology	✓
Discrete GPU manufacturer	NVIDIA	Embedded options available	x
On-board graphics card * Discrete graphics card model *	✓ NVIDIA GeForce RTX 3090	Intel VT-x with Extended Page Tables (EPT)	/
Discrete graphics card memory	24 GB	Idle States	1
Discrete graphics memory type On-board GPU manufacturer	GDDR6X Intel	Intel Stable Image Platform Program (SIPP)	✓
On-board graphics card model *	Intel UHD Graphics 770	Intel Trusted Execution Technology	✓
Graphics card HDMI ports quantity	1	Execute Disable Bit	✓
Graphics card DisplayPorts quantity	3	CPU configuration (max)	1
Network		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Ethernet LAN * Ethernet LAN data rates	✓ 2500 Mbit/s	Intel Virtualization Technology (VT-x)	✓
LAN controller	Intel I225-V	Power	
Wi-Fi *	✓	Power supply *	850 W
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)	80 PLUS certification	80 PLUS Gold
Wi-Fi standards Bluetooth	Wi-Fi 6E (802.11ax) ✓	Weight & dimensions	
Bluetooth version	5.2	Width *	215 mm
Ports & interfaces		Depth * Height *	430 mm 450 mm
USB 2.0 ports quantity *	4	Weight *	13.6 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Display	-
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Display included *	×

Catalog Object Cloud



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