

Industrial-Grade Edge Server for High-Performance Computing

ASUS IoT



High-performance in field-site environments

ASUS IoT ISS-H291 is an industrial-grade edge server optimized for high-performance computing in field-site environments. Powered by a 5th Gen Intel® Xeon® processor, it delivers dual CPU computing power while supporting up to 4TB DDR5 RDIMM memory, ensuring high-volume seamless data processing and real-time analytics at the edge. A 19-inch 2U-height, 658mm-depth chassis, ISS-H291 complies with standard EIA chassis design, allowing rack installation for field-site device deployment. It also features flexible storage options, supporting eight-bay SAS/SATA HDD/SSD with hot-swappable capability – ensuring data reliability and scalability for mission-critical applications. The CRPS 1+1 power redundant PSU providing 24/7 system operation. With its robust build and optimized performance, ISS-H291 addresses key challenges in edge computing, offering high efficiency, reliable storage/fan/PSU maintenance, and has been validated to work in industrial environment.

Key Features



Cutting-Edge Technologies



Hot-Swappable Maintenance



High-Volume Storage Drive



Industrial-Grade Reliability

Intel Products & Technology



5th Gen Intel® Xeon® Scalable Processors

5th Gen Intel® Xeon® Processors deliver impressive performance-per-watt gains across all workloads, plus outsized performance and lower total cost of ownership (TCO) for AI, databases, networking, storage, and high-performance computing (HPC).