

Rx220-2i24

Provides performance and versatility to address your most demanding applications

The Exatron Rx220-2i24 platform is engineered for demanding enterprise, AI, HPC, and data center workloads. Designed with a scalable architecture, it supports high-core-count Intel Xeon processors, large-capacity DDR4 memory, extensive PCIe expansion, and flexible storage configurations. Its optimized thermal design, redundant power options, and advanced remote management capabilities ensure reliable operation in mission-critical environments. The system delivers outstanding performance, efficiency, and expandability, making it an ideal solution for virtualization, cloud computing, artificial intelligence, big data analytics, and high-performance computing deployments.

Exatron Rx220-2i24

- **Modern Intel CPU Support**
- **Flexible Memory Options**
- **High-Speed Storage & Graphics**
- **Excellent Connectivity**

Ideal for

- **Virtualization and Cloud Servers Specialized**
- **AI and GPU Computing**
- **Enterprise Storage and Database Servers**

PCIe Slots

The Exatron Rx220-2i24 offers extensive PCIe 3.0 expansion capabilities to support a wide range of enterprise and data center applications. With multiple full-height and half-height PCIe x8 and x16 slots across four risers, the platform enables flexible integration of high-performance network adapters, storage controllers, accelerators, and specialized expansion cards. An additional OCP 3.0 PCIe x8 slot provides support for modern networking solutions. This versatile expansion architecture allows organizations to customize and scale the system to meet evolving workload and infrastructure requirements.

GPU Support

The Exatron Rx220-2i24 supports up to two high-power GPUs, delivering enhanced acceleration for AI, machine learning, cloud computing, big data analytics, and virtualized environments. Its optimized PCIe architecture ensures efficient performance, scalability, and reliable operation for compute-intensive enterprise workloads.

Intel® C621 server chipset

The Intel® C621 server chipset provides a reliable foundation for the Exatron Rx220-2i24, supporting 1st and 2nd Generation Intel® Xeon® Scalable processors. It enables advanced enterprise features, including RAID 0, 1, 5, and 10 support, high-speed DDR4 memory operation up to 2933MHz, and extensive PCIe 3.0 connectivity. Optimized for data center and virtualization environments, the chipset delivers efficient storage management, enhanced I/O performance, and dependable system stability. Its enterprise-class architecture ensures scalability, security, and continuous operation for mission-critical workloads.

High-Speed DDR4 memory slots

The Exatron Rx220-2i24 is equipped with 24 DDR4 DIMM slots, supporting memory speeds of 2400MHz, 2666MHz, and 2933MHz for exceptional performance across demanding workloads. Its high-capacity memory architecture enables efficient handling of virtualization, database management, cloud computing, and enterprise applications. Designed to work with 1st and 2nd Generation Intel® Xeon® Scalable processors, the platform delivers optimized bandwidth, improved responsiveness, and reliable multitasking capabilities. The flexible memory configuration allows organizations to scale resources as workload requirements continue to grow.



Feature	Technical Specifications
Chipset	Intel ®C621 series server dedicated chipset
CPU Support	Supports 1st and 2nd generation Intel Xeon ® scalable series processors
Memory	24* DDR4 memory slots - Supports 2400 MHZ, 2666 MHZ, and 2933MHz DDR4 memory
Expansion Slots	Riser1 : 3* full-height PCIe 3.0 x8 or 1* full-height PCIe 3.0 x16, 1*full-height PCIe 3.0 x8 Riser2 : 3*full-height PCIe 3.0 x8 or 1*full-height PCIe 3.0 x16, 1*full-height PCIe 3.0 x8 Riser3 : 1*half-height PCIe 3.0 x8, 1*half-height PCIe 3.0 x8(in x16 Slot) or 1*half-height PCIe 3.0 x16 Riser4 : 1*half-height PCIe 3.0 x8, 1*half-height PCIe 3.0 x8(in x16 Slot) or 1*half-height PCIe 3.0 x16 OCP : 1*OCP 3.0(Pcie 3.0 x8)
Display	1 x VGA connector
SATA	- Front: 12* 3.5/2.5 "SAS/SATA hot-swap drives - Rear: Optional 4 3.5" SAS/SATA drives or 4 2.5 "SAS/SATA/U.2 drives - Internal storage: 2 NVMe PCIe 3.0 x4 M.2 ports, two SATA 7PIN slots (supporting SATA DOM), and 3 MiniSAS HD ports
LAN	2 x 1GbE (RJ45) onboard

I/O Ports	Front: • 1 x VGA • 2 x USB3.0 Rear: • 1 x VGA • 2 x USB3.0, • 1 x Management network port, • 2 x RJ45 network ports • 1 x OCP 3.0 (PCIe x 8)
Management	• Onboard iBMC management module supports management features such as IPMI, SOL, KVM Over IP, and virtual media
Security	TPM/TCM (optional) Chassis open intrusion detection Locked upper cover of chassis
Operating System	• Microsoft Windows Server • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • CentOS • Ubuntu
Power Supply	• Supports 550W, 800W, 1300W, 1600W, 2000W, and 2200W redundant power supplies

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