

SPECIFICATIONS

SITRONICS SRH5221 V5

Form Factor

Two-socket rack-mount 4U server

Processors

One or two first-generation Intel® Xeon® Scalable processors (3100 / 4100 / 5100 / 6100 / 8100 series) with up to 205W heat dissipation

One or two second-generation Intel® Xeon® Scalable processors (3200 / 4200 / 5200 / 6200 / 8200 series) with up to 205W heat dissipation

Chipset

Intel C622

RAM

Up to 24 DDR4 DIMM modules at 2933 MT/s

Up to 12 Intel® Optane™ PMem modules (100 series) at 2666 MT/s

Built-in Data Storage Systems

Supports hot-swappable hard drives in the following configurations:

Front

24 3.5 inch HDDs with SAS/SATA interfaces

Built-in

- Four 3.5 inch HDDs with SAS/SATA interfaces

Back

- 16 3.5 inch HDDs with SAS/SATA interfaces
- Four 3.5 inch HDDs with SAS/SATA interfaces + four 2.5 inch HDDs with SAS/SATA interfaces or SSDs with NVMe interface
- 14 3.5 inch HDDs with SAS/SATA interfaces (up to four NVMe SSDs can be configured) + four 2.5 inch HDDs with SAS/SATA or NVMe SSD interfaces

Flash drives

Two M.2 SSDs

RAID support

RAID 0, 1, 10, 5, 50, 6, or 60

RAID status, drive relocation, self-diagnostics and remote configuration options via web-interface

Optional: ionistor for preserving data in cache memory in case of power failure

Network Ports

NIC LOM: two 10 GE ports and two GE ports

Flexible LOM: two or four GE ports, two 10 GE ports, or one/two 56 Gbps InfiniBand ports based on FDR (Fourteen Data Rate) technology

PCIe Expansion

Supports up to ten PCIe 3.0 slots, including an expansion slot for a RAID controller card and an expansion slot for a network card (Flexible NIC)

Heterogeneous Accelerator Cards

Two slots for GPU Accelerators in FHFL form factor

Fan Modules

Four hot-swappable dual fan modules rotating in opposite directions, with N+1 redundancy support

Power Supplies

Two hot-swappable power supplies with 1+1 redundancy support and capacity from 550W to 1500W

Management

The iBMC has one dedicated Gigabit Ethernet network management port to provide comprehensive management functions such as fault diagnostics, automated management and enhanced hardware security.

The iBMC supports standard interfaces such as Redfish, SNMP and IPMI 2.0; provides an HTML5/VNC KVM-based remote management interface; and supports CD-free deployment.

Operating Systems

Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, RED OS

Security

Server startup password, administrator password, Trusted Platform Module 2.0, and front panel security

Operating Temperature

5...45°C, which complies with ASHRAE A3 and A4 standards

Installation Kit

Dimensions (H×W×D)

L-shaped rails, sliding rails and fixed rails

175 mm × 447 mm × 748 mm (6,89 in. × 17,60 in. × 29,45 in.)