

SPECIFICATIONS

SITRONICS SRH1221 V5

Form Factor

Two-socket rack-mount 1U 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:

- Ten 2.5 inch drives (6–8 SSDs with NVMe interface and 2–4 with SAS/SATA interfaces, total number of drives ≤ 10)
- Ten 2.5 inch SAS/SATA SSDs (2–4 NVMe SSDs and 6–8 SAS/SATA HDDs, total ≤ 10 drives)
- Ten 2.5 inch SAS/SATA SSDs
- Eight 2.5 inch SAS/SATA 2.5-inch HDDs or SSDs (the NVMe model supports four NVMe SSDs)
- Four 3.5 inch HDDs or SSDs with SAS/SATA 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 five 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 HHHL form factor

Fan Modules

Seven hot-swappable, dual fan modules that rotate in opposite directions and 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.

Optional: setup using external management software to implement the following features: stateless computation, batch OS deployment, automatic firmware upgrades

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

Chassis with 3.5 inch hard drives: 43 mm × 447 mm × 748 mm (1.70 in. × 17.60 in. × 29.45 in.)

Chassis with 2.5 inch hard drives: 43 mm × 447 mm × 708 mm (1.70 in. × 17.60 in. × 27.87 in.)