

INTELOQ

High-End Intel Eagle Stream Servers/Storages for rigorous Surveillance & Analytics applications



General Specs:

Platform: Intel Eagle Stream 2U12BAY rack mountable Servers

CPU: 4th Gen Intel® Xeon® Silver 4416+ Processor 2.00GHz, Core 20/Threads 40, TDP 165W

Riser card: PCIe3.0x24 /4.0x32

Power: 550W CRPS x2 or as per requirement

Rail: chassis slide rail kits x1

RAID card: configured as required

Default NIC card: options available in 1Gb/2ports/RJ45, 10G/16G

RAM: Option

Extra NIC: Option

OS: Option

* support Front 12x 3.5"/2.5" hot-swap hard drives

* w/2x GbE and 1x IPMI Management LAN

supports 32x DDR5 RDIMM slots

High-End Server: Eagle Stream 2U dual-socket high-end server, supports 1 or 2 4th/5th generation Intel® Xeon® Scalable processors, 32 DIMM DDR5 memory slots, supports 2 M.2 interfaces, 1 RJ45 management port, and 12 PCIe 5.0 expansion slots. The Intel "Eagle Stream" Platform microarchitecture for DDR5 servers supports greater memory bandwidth, enhanced hardware-based security, and a focus on improved performance for AI.

Product Capabilities

Model series	IQ-S4416S
Model type	2U, 20-Core 12-bays
Dimensions	799x433.4x87.6mm (DxWxH)
Processor	Intel® Xeon® Silver 4416+ Processor 37.5M Cache, 2.00GHz, Core 20/Threads 40, TDP 165W Supports 1/2, 4th/5th Gen Intel® Xeon® Scalable processors, with a maximum TDP of 350W
Memory	32 DDR5 memory slots, supporting DDR5 RDIMM 4400/4800/5600MHz memory
Internal storage interface	3 Mini SAS HD interfaces, 2 SATA M.2 SSD interfaces, and 14 MCIO interfaces
External hard drive	12 hot-swappable 3.5/2.5-inch SAS/SATA/U.2 hard drives in the front, optional 2x 2×3.5-inch hard drive modules or 2x 2×2.5-inch hard drive modules in the rear
External port	Front Ports: 1 VGA, 2 USB 3.0 Rear ports: 1 VGA, 1 COM port, 2 USB 3.0, 1 RJ45 Gigabit management port
PCIe expansion form	6 full-height PCIe slots, 4 half-height PCIe slots, 2 OCP 3.0 slots
PCIe expansion specification	Riser1/2: 1x Full height PCIe 5.0 x16, 2x Full height PCIe 5.0 x8 2x Full height PCIe 5.0 x16 Riser3/4 : 2x half height PCIe 5.0 x8 1x half height PCIe 5.0 x16 OCP: 2x OCP 3.0(PCIe 5.0 x8)
Safety	TPM/TCM (optional) Chassis open intrusion detection; Locked upper cover of chassis
Power supply	AC 220V 550W, 800W, 1300W, 1600W, 2000W, 2200W redundant power supply (adapted according to the actual power requirement)
Fan	Standard 4 hot-swappable N+1 redundant fans, supporting 8038/8056 specifications
IPMI	IPMI 2.0
Management port	Onboard iBMC management module supports management features such as IPMI, SOL, KVM Over IP, and virtual media
Operating temperature & humidity	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -20°C - 80°C
Storage temperature & humidity	Short-term storage ($\leq 72H$): temperature -40°C ~ 70°C/ humidity 20%~90%RH non-condensing (including packaging) Long-term storage ($> 72H$): temperature 20°C ~ 28°C/ humidity 30%~70%RH non-condensing (including packaging)

Product partcode

IQ-S4416S

2U Single CPU Xeon® Silver 4416+ 20-Core 12-Bay Server