

INTELOQ

High-End Intel Purley/ Whitley Servers/Storages for rigorous Surveillance & Analytics applications



General Specs:

Platform: Intel Whitley 2U 8-Bay rack mountable Dual Processor Servers

CPU: DUAL Intel Xeon Silver 4314/2.4GHz/16C/32T/24MB/2667MHz/135W

Riser card 1: PCIe3.0x24 to PCIe3.0x16+ PCIe3.0x8

Riser card 2: PCIe3.0x24 to PCIe3.0x16+ PCIe3.0x8

Power Card (optional for GPU) x2

Graphics card: As per requirement

Power: 1300W CRPS x2 or as per requirement

Rail: chassis slide rail kits x1

RAID card: NA

Default NIC card: 1Gb/2ports/RJ45 (Options of 10G/16G)

RAM: RDIMM Options

Extra NIC: Option

OS: Option

* support Front 12Gb/s 8port 2.5" & 3.5" SAS/SATA HDD backplane w/cables

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

* support 32x DDR4 RDIMM slots

High-End Server: The Intel Whitley Server Platform includes Intel® PCH C621/ C621 A series and supports the 1st or 2nd /Gen3 generation Intel® Xeon® Scalable series processors to bring about servers storages that deliver new levels of breakthrough performance. Supports 1 or 2 Gen3 Intel® Xeon® Scalable ICE Lake processor 24/ 32 DDR4 slots, supports 2666/2933/3200MHz DDR4 memory / Supports 8 hot-swap SAS/SATA (HDD/SSD)

Product Capabilities

Model series	IQ-S1608S
Model type	2U, 18-Core 8-bays
Dimensions	748x433.4x87.6mm (DxWxH)
Processor	Intel Xeon Silver 4314/2.4GHz/16C/32T/24MB/2667MHz/135W with DUAL PROCESSOR
Memory	32 DDR4 memory slots, support DDR4 LRDIMM/RDIMM 2666/2933/3200MHz
Internal storage interface	3 Minis SAS HD interfaces, 2 SATA DOM interfaces, 2 NVMe PCIe 4.0 M.2 interfaces (size 2280)
External hard drive	Front 8 hot-swap 3.5/2.5inch SAS/SATA/NVMe hard drives; Rear optional up to 2*2×3.5inch hard drive modules or 2* 2×2.5inch hard drive modules
External port	Front port: 1 VGA, 2 USB3.0 Rear port: 1 VGA, 1 COM port, 2 USB3.0, 1 RJ45 Gigabit management network port, 2 Gigabit RJ45 network ports
PCIe expansion form	6x PCIe 3.0 full-height slots, 4x PCIe 3.0 half-height slots, 1x OCP 3.0 slot
PCIe expansion specification	Riser1: 3xfull-height PCIe 3.0 x8 or 1xfull-height PCIe 3.0 x16, 1xfull-height PCIe 3.0 x8 Riser2: 3xfull-height PCIe 3.0 x8 or 1xfull-height PCIe 3.0 x16, 1xfull-height PCIe 3.0 x8 Riser3: 1xhalf-height PCIe 3.0 x8, 1xhalf-height PCIe 3.0 x8(in x16 Slot) or 1xhalf-height PCIe 3.0x16 Riser4: 1xhalf-height PCIe 3.0 x8, 1xhalf-height PCIe 3.0 x8(in x16 Slot) or 1xhalf-height PCIe 3.0x16 OCP: 1x OCP 3.0(PCIe 3.0 x8)
Safety	TPM/TCM (optional)
Power supply	AC 220V 550W, 800W, 1300W, 1600W, 2000W, 2200W redundant power supply (adapted according to the actual power requirement)
Fan	4x 8038 hot-swap N+1 redundant fans; Optional 8056 hot-swap N+1 redundant fans
IPMI	IPMI 2.0
Management port	1 dedicated RJ45 management network port
Certification	CCC, CE, FCC, ROHS
Operating temperature & humidity	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -40°C - 70°C Humidity: 20%~80% RH non-condensing
Storage temperature & humidity	Short-term storage (≤ 72 H): temperature -40°C ~ 70°C/ humidity 20%~90%RH non-condensing (including packaging) Long-term storage (> 72 H): temperature 20°C ~ 28°C/ humidity 30%~70%RH non-condensing (including packaging)

Product partcode

IQ-S1608S

2U DUAL CPU Xeon Silver 4314 16-Core 08-Bay Server