

INTELOQ

High-End Intel Purley GPU Servers/Storage for rigorous Surveillance & Analytics applications



General Specs:

Platform: Intel Whitley 2U 8-BAYS

CPU: Intel Xeon Silver 4216/2.1GHz/16C/32T/22MB/2400 MHz/100W in Single & Dual Processors

Riser card: one Riser card PCIe3.0x24 to 3x PCIe3.0x8x 1

Power: 550W/800W/ CRPS x2 or as per requests

Rail: chassis slide rail kits x1

RAID card: (Optional) 9361-8i 1G/2G/4G /8/SAS 12Gb/PCIe 3.0 x8/2GB/4GBRAID 0,1,5,6,10,50,60

Default NIC card: 1Gb/2ports/RJ45

RAM: option

GPU: (Optional) 2x Nvidia RTX A5000

OS Storage: 2x 2.5" 480Gb Enterprise SSD in RAID1 for OS/VMS/etc

Extra NIC: option

Optional Rear 2.5" hard disk module: supports two 2.5" SATA/SAS disks, supports SGPIOx 1

* Supports 12Gb/s 8/12/16/25-port 2.5" or 3.5" SAS/SATA HDD backplane w/cables

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

* Supports 24x DDR4 RDIMM slots

* Supports 2x M.2 and 1x OCP 3.0 slots

* Support hot-swap SAS/SATA/NVMe(HDD/SSD/U.2)

High-End Server/Storage: The Intel Purley Server Platform includes the Intel C621 series chipset and supports the Intel® 1st - and 2nd Generation Xeon® Scalable Processor to bring about servers that deliver new levels of breakthrough performance.

Product Capabilities

Model series	IQ-SB08S
Model	IQ-SG4216D
Model type	GPU DUAL PROCESSOR 2U 8-bays
Dimensions	748x 433.4x87.8mm(Lx Wx H)
Processor	Support 1 or 2 Gen2 Intel® Xeon® Scalable processors, TDP up to 270W
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: 1 VGA, 1 COM port, 2USB3.0, 1 RJ45 Gigabit management network port, 2 Gigabit RJ45 network ports
PCIe expansion form	6* PCIe full-height slots, 4* PCIe half-height slots, 1* OCP 3.0 slot
PCIe expansion specification	Riser1: 1*full-height PCIe 4.0 x16, 2*full-height PCIe 4.0 x8 2*full-height PCIe 4.0 x16 Riser2: 1*full-height PCIe 4.0 x16, 2*full-height PCIe 4.0 x8 2*full-height PCIe 4.0 x16 Riser3: 1*half-height PCIe 4.0 x16 1*half-height PCIe 3.0 x8, 1*half-height PCIe 3.0 x8 (in x16 Slot) Riser4: 1*half-height PCIe 3.0 x8, 1*half-height PCIe 3.0 x8 (in x16 Slot) OCP: 1*OCP 3.0 (PCIe 3.0 x8)
Safety	Optional TPM module
Power supply	AC 220V 550W, 800W, 1300W, 1600W, 2000W, 2200W redundant power supply (adapted according to the actual power requirement)
Fan	Standard 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	Temperature 5°C ~ 35°C/ Humidity 20%~80%RH non-condensing
Storage temperature & humidity	Short-term storage (≤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-SG4216D

Silver 8-Core 8-Bay DUAL Processor GPU Server