

INTELOQ

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



General Specs:

Platform: Intel Purley 2U 8-BAYS

CPU: Intel Xeon Silver 4208/2.1GHz/8C/16T/11MB/2400MHz/85 W 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: 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 (Various upgrade options available)

RAM: options

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

Extra NIC: options

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 | IQ-SB08 | |
|----------------------------------|--|--|
| Model series | IQ-SB08SS/IQ-SSB08SS | IQ-SB08SD/IQ-SSB08SD |
| Model type | Single CPU 2U 8-bays | DUAL CPU 2U 8-bays |
| Dimensions | 748x 433.4x87.8mm(Lx Wx H) | |
| Processor | Support 1 or 2 Gen3 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 | |
| Power ratings | Common Redundant Power Supply 2x 550W module, Supports PMBUS function Voltage range: AC: 90~264V; DC: 180~300V | Common Redundant Power Supply 2x 800W module, Supports PMBUS function Voltage range: AC: 90~264V; DC: 180~300V |

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| Product partcode | IQ-SB08SS/IQ-SSB08SS | Silver 8-Core 8-Bay SINGLE CPU Server/Storage |
| | IQ-SB08SD/IQ-SSB08SD | Silver 8-Core 8-Bay DUAL CPU Server/Storage |