

# INTELOQ

## *High-End Intel Whitley Servers/Storage for rigorous Surveillance & Analytics applications*



### General Specs:

Platform: Intel Whitley 2U 8/12/16/25-BAYS

CPU: Intel Xeon Silver 4208/2.1GHz/8C/16T/11MB/2400MHz/85 W

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

Power: 550W/800W/ CRPS x2

Rail: chassis slide rail kits x1

RAID card: 1G/2G/4G /8/SAS 12Gb/PCIe 3.0 x8/2GB/4GBRAID 0,1,5,6,10,50,60 x1

Default NIC card: 1Gb/2ports/RJ45

RAM: option

Extra NIC: option

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 Whitley 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.

Model series	IQ-SS08S	IQ-SS12S	IQ-SS16S	IQ-SS25S
Model type	2U 8-bays	2U 12-bays	2U 16-bays	2U 25-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* 2x3.5inch hard drive modules or 2* 2x2.5inch hard drive modules	Front 12 hot-swap 3.5/2.5inch SAS/SATA/NVMe drives; Rear optional 2* 2x3.5inch hard drive modules or 2* 2x2.5inch hard drive modules	Front 12 hot-swap 3.5/2.5inch SAS/SATA/NVMe drives; Rear 2* 2x3.5inch hard drive modules	Front 25* hot-swap 2.5 inch SAS/SATA hard drives; Rear optional 2* 2x3.5inch hard drive modules or 2* 2x2.5inch 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:**

<b>IQ-SS08S</b>	Silver 8-Core 8-Bay Server/Storage
<b>IQ-SS12S</b>	Silver 8-Core 12-Bay Server/Storage
<b>IQ-SS16S</b>	Silver 8-Core 16-Bay Server/Storage
<b>IQ-SS25S</b>	Silver 8-Core 25-Bay Server/Storage