

INTELOQ

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



General Specs:

Platform: Intel Whitley available in 2U 4/8/12/16/25-BAYS

CPU: Intel Xeon Silver 4310/2.1GHz/12C/24T/18MB/2667MHz/120W x1

Riser card: one/two Riser card PCIe4.0x16 to 1/2x PCIe4.0x8/16

Power: 880W/1300W/ 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 A series dedicated processor chipset and supports the Intel® 1st - and 2nd Gen3 Intel® Xeon® Scalable ICE Lake processors, 83xx/63xx/53xx/43xx processors, maximum CPU TDP 270W to bring about servers that deliver new levels of breakthrough performance

Product Capabilities

Model series	IQ-SS1208S	IQ-SS1212S	IQ-SS1225S
Model type	2U 8-bays	2U 12-bays	2U 25-bays
Dimensions	748x433.4x87.6mm (DxWxH)		
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 2x 2×3.5" hard drive modules or 2x 2×2.5" hard drive modules	Front 12 hot-swap 3.5/2.5" SAS/SATA/NVMe drives; Rear optional 2x 2×3.5" hard drive modules or 2x 2×2.5" hard drive modules	Front 25x hot-swap 2.5 " SAS/SATA hard drives; Rear optional 2x 2×3.5" hard drive modules or 2x 2×2.5" 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	6x PCIe full-height slots, 4x PCIe half-height slots, 1x OCP 3.0 slot		
PCIe expansion specification	Riser1: 1xfull-height PCIe 4.0 x16, 2xfull-height PCIe 4.0 x8, 2xfull-height PCIe 4.0 x16 Riser2: 1xfull-height PCIe 4.0 x16, 2xfull-height PCIe 4.0 x8, 2xfull-height PCIe 4.0 x16 Riser3: 1xhalf-height PCIe 4.0 x16, 1x half-height PCIe 3.0 x8, 1xhalf-height PCIe 3.0 x8 (in x16 Slot) Riser4: 1xhalf-height PCIe 3.0 x8, 1xhalf-height PCIe 3.0 x8 (in x16 Slot) OCP: 1xOCP 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-SS1208S	Silver 12-Core 8-Bay Server/Storage	
	IQ-SS1212S	Silver 12-Core 12-Bay Server/Storage	
	IQ-SS1225S	Silver 12-Core 25-Bay Server/Storage	