

INTELOQ

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



## General Specs:

Platform: Intel Purley 1U/2U 12,16,25-Bay rack mountable server

CPU: Intel Xeon Silver 4210/2.2GHz/10C/20T/13.75MB/2400 MHz/85W x1

Riser card: PCIe3.0x24/4.0x32

Power: 1200W CRPS x2 or as per requirement

Rail: chassis slide rail kits x1

RAID card: 9361-8i 1G/2G/4G/PCIe 3.0 x8 RAID 0,1,5,6,10,50,60 x1 (as per requirements)

Default NIC card: 1Gb/2ports/4ports/10G/RJ45 (Scalable)

RAM: Option

Extra NIC: Option

OS: Option

\* support 12Gb/s 4port 2.5" or 3.5" SAS/SATA HDD backplane w/cables

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

\* supports 24/32x DDR4 RDIMM slots

**High-End Server:** The Intel Purley 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 4-10 hot-swap SAS/SATA (HDD/SSD)

# Product Capabilities

Model series	IIQ-SS1012S	IQ-SS1016S	IQ-SS1025S
Model type	2U, 10-Core 12-bays	2U, 10-Core 16-bays	2U, 10-Core 25-bays
Dimensions	748x433.4x87.6mm (DxWxH)		
Processor	Intel Xeon Silver 4210 10-Core 20-Threads x1		
Memory	32 DDR4 memory slots, support DDR4 LRDIMM/RDIMM 2666/2933/3200MHz		
Internal storage interface	3x Minis SAS HD interfaces, 2x SATA DOM, 2x NVMe PCIe 3.0 M.2 ports (size 2280)		
Storage Controller	Onboard PCH supports RAID 0\1\10 and 5 External HBA (not RAID): 12 Gbps SAS HBA Onboard storage: 2x PCIe 3.0 x4 M.2 slots, 2x 7Pin SATA3.0 ports, 2x Slimline SAS X8 ports		
External Hard Drives	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 optional 2* 2x3.5inch hard drive modules or 2* 2x2.5inch hard drive modules	Front 25x hot-swap 2.5 inch SAS/SATA hard drives; Rear optional 2x 2x3.5inch hard drive modules or 2x 2x2.5inch hard drive modules
External port	Front port: 1 VGA, 2 USB3.0 Rear: 1 VGA, 2 USB3.0, 1 management network port, 2x RJ45 network ports OCP slot: 1 OCP 3.0 (PCIe x 8)		
PCI Expansion form	6x PCIe 3.0 full-height slots, 4x PCIe 3.0 half-length slots and 1x OCP 3.0 slot		
PCIe expansion specification	Riser1:1*full-height PCIe 4.0 x16 2*full-height PCIe 4.0 x8 or 2*full-height PCIe 4.0 x16 Riser2:1*full-height PCIe 4.0 x16 2*full-height PCIe 4.0 x8 or 2*full-height PCIe 4.0 x16 Riser3:1*half-height PCIe 4.0 x16 or 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)		
Driver	4/8/10/12/24/25/36* hot-swap SAS/SATA(HDD/SSD)		
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 N+1 Redundant hot-swap fans, optional 4x 8056 N+1 Redundant hot-swap fans		
IPMI	IPMI 2.0		
Operating Temperature	Temperature: 5°C~35°C/ Humidity: 20%~80%RH non-condensing		

Product partcode	<b>IQ-SS1012S</b>	2U Silver 10-Core 12-Bay Server/Storage
	<b>IQ-SS1016S</b>	2U Silver 10-Core 16-Bay Server/Storage
	<b>IQ-SS1025S</b>	2U Silver 10-Core 25-Bay Server/Storage