

The Intel Whitley Server supports Intel® 3rd Generation Xeon® Scalable Processor

INTELOQ



General Specs:

Platform: Intel Whitley 2U8BAY

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

Riser card: Two Riser card which PCIe4.0x16 to 1x PCIe4.0x16

Power: 550/880W CRPS x2 (Adapted to the power requirement upto 2200W)

Rail: Chassis slide rail kits x1

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

NIC card: 1Gig x2 system default, scalable to requirement.

(Optional) Dual 10Gbps with 2x transceivers

(Optional) Dual 16Gbps with 2x transceivers

- * Support 12Gb/s 4port 2.5" or 3.5" SAS/SATA HDD backplane w/cables
- * W/2x GbE and 1x IPMI Management LAN
- * Supports 32x DDR4 RDIMM slots

Product Features

- 1 or 2 Gen3 Intel® Xeon® Scalable, up to 205W TDP
- Up to 32 DDR4 slots, frequency 2666/2933/3200MHz
- On-board 2x NVMe PCIe 4.0 M.2 ports
- Modular design, multiple combinations of PCIe & hard drive
- 3x PCIe3.0 expansion slots

Fits / Use case:

Virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise market and telecom applications.

Product Capabilities

Product series	IQ-S4310S / IQ-S4310D / IQ-S4310Si	
Product type	2U 8-bay	
Dimensions	748*433.4*87.6mm (D*W*H)	
Processor	Support 1 or 2 Gen3 Intel ® Xeon® Scalable processors; up to 205W TDP	
Memory	32* DDR4 memory slots, support DDR4 LRDIMM/RDIMM 2666/2933/3200 MHz	
Inner storage port	3* Mini SAS HD ports, 2* SATA DOM, 2 NVMe PCIe 4.0 M.2 ports (size 2280)	
External hard drive	Front 8x hot-swap 3.5/2.5" SAS/SATA/NVMe hard drives; Rear optional upto 2* 2×3.5" hard drive modules or 2* 2×2.5" hard drive modules	
External port	Front port: 1* VGA, 2* USB3.0 Rear port: 1* VGA, 1* COM port, 2* USB3.0, 1* RJ45 Gigabit management LAN port, 2 Gigabit RJ45 LAN ports	
PCIe expansion form	6* PCIe 3.0 full-height slots, 4* PCIe 3.0 half-height slots, 1* OCP 3.0 slot	
PCIe expansion specs	Riser 1 & 2: 3*full-height PCIe 3.0 x8 1*full-height PCIe 3.0 x16, 1*full-height PCIe 3.0 x8: Riser3: 1*half-height PCIe 3.0 x8, 1*half-height PCIe 3.0 x8 (in x16 Slot) 1*half-height PCIe 3.0 x16 Riser4: 1*half-height PCIe 3.0 x8, 1*half-height PCIe 3.0 x8 (in x16 Slot) 1*half-height PCIe 3.0 x16 OCP: 1*OCP 3.0 (PCIe 3.0 x8)	
Security	Optional TPM module	
Power supply	Supports AC 220V 550W, 800W, 1300W, 1600W, 2000W and 2200W redundant power supply	
Fan	4* 8038 hot-swap N+1 redundant fans; Optional 8056 hot-swap N+1 redundant fans	
IPMI	IPMI2.0	
Management Port	1* dedicated RJ45 management LAN port	
Authentication	CCC, CE, FCC, ROHS	
Operating environment	Temperature: 5°C ~ 35°C/ Humidity: 20% ~ 80% RH non-condensing	
Storage environment	Short-time storage (≤72H): temperature -40°C~ 70°C/ humidity 20% ~ 90% RH non-condensing (including packaging) Long-time storage (>72H): temperature 20°C ~ 28°C/ humidity 30% ~ 70% RH non-condensing (including packaging)	

Product partcode	IQ-S4310S	Silver 4310 Server Single CPU
	IQ-S4310D	Silver 4310 Server DUAL CPU