

INTELOQ

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



General Specs:

- Platform: Intel Whitley Dual Socket 16-Bay rack mountable server
- CPU: Intel Xeon Gold 5320/2.2GHz/26C/52T/39MB/2933MHz/185W DUAL Processors
- Riser card: PCIe3.0x24 / 4.0x32
- Power: 1200W CRPS x2 or as per requirement
- Rail: chassis slide rail kits x1
- RAID card: 1G/2G/4G /PCIe 3.0 x8 RAID 0,1,5,6,10,50,60 x1 (as per requirements)
- Default NIC card: 1Gb/2ports/RJ45 or 10Gb/2PORTS/SFP+/PCIe3.0/OCP3.0 (Scalable)
- RAM: Option
- Extra NIC: Option
- OS: Option
- * supports 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 Whitley 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 4-16 hot-swap SAS/SATA (HDD/SSD)

Product Capabilities

Model series	IQ-SS2616G
Model type	2U, 26-Core 16-bays
Dimensions	748x433.4x87.6mm (DxWxH)
Processor	Intel Xeon Gold 5320 26-Core 52-Threads x2 (Support 1 or 2 Gen3 Intel® Xeon® Scalable ICE Lake processors, 83xx/63xx/53xx/43xx processors maximum CPU TDP 270W)
Memory	32 DDR4 slots, supports 2666/2933/3200MHz DDR4 memory
Chipset	Intel® C621 A series dedicated processor chipset
Internal storage interface	2 PCIe 4.0 x4 M.2 ports, 2 SATA 7PIN slots (support SATA DOM), 3 MiniSAS HD ports
External Hard Drives	Front port: 8x 3.5"/2.5" SAS/SATA/NVMe hot swap HDD. Rear 4x 3.5" SAS/SATA or 4x 2.5" SAS/SATA/U.2 hard drives, built-in 2x 2.5" SSD Internal storage: 2 PCIe 4.0 x4 M.2 ports, 2x SATA 7PIN slots (support SATA DOM), 3x Mini SAS HD ports
External port	Front port: 1 VGA, 2 USB3.0 Rear: 1 VGA, 2 USB3.0, 1 management network port, 2 RJ45 network ports OCP slot: 1 OCP 3.0 (PCIe x 8)
Storage Controller	Internal PCH supports RAID 0\1\10&5 External HBA (not RAID): 12 Gbps SAS HBA
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)
I/O Ports	Front port: 1 VGA, 2 USB3.0 Rear: 1 VGA, 2 USB3.0, 1 management network port, 2 RJ45 network ports OCP slot: 1 OCP 3.0 (PCIe x 8)
Network ports	2x 1GbE (RJ45) onboard (scalable added as per request)
Safety	TPM/TCM (optional), Chassis open intrusion detection, Locked upper cover of chassis
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
Management	Onboard iBMC management module, support IPMI, SOL, KVM Over IP, virtual media and other management features
Operating System	Microsoft Windows Server Red Hat Enterprise Linux/SUSE Linux Enterprise Server, CentOS, Ubuntu
Operating Temperature	Operating temperature: 5°C - 35°C (indoor) Storage temperature: -40°C - 70°C

Product partcode	IQ-SS2616G	2U Gold 26-Core 16-Bay Server/Storage
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