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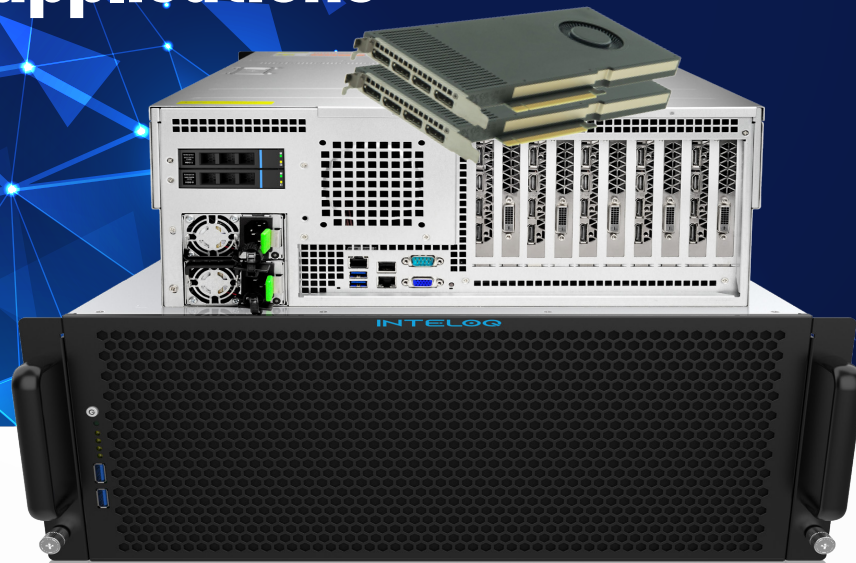
High-End Intel Purley/ Whitley Servers/Storages for rigorous Surveillance & Analytics applications

General Specs:

Platform: Intel Whitley 4U Dual-Socket GPU rack mountable Servers
CPU: Intel Xeon Silver 4314/2.4GHz/16C/32T/24MB/2667MHz/135W
5 full-height and double-width high-performance GPUs for high computing power
10 PCIe high-speed expansion slots, providing rich expansion performance
Power Card (optional for GPU) (as per requirement)
Graphics card: As per requirement
Power: 1300W CRPS x2 or as per requirement
Rail: chassis slide rail kits x1
RAID card: NA
Default NIC card: 1Gb/2ports/RJ45 (Options of 10G/16G available)
RAM: RDIMM Options
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 16 DDR4 RDIMM memory slots, frequency: 2666/2933/3200MHz

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 16 DDR4 slots, supports 2666/2933/3200MHz DDR4 memory

Product Capabilities

Model series	IQ–S4314SG
Model type	4U, 16-Core 12-bays
Dimensions	695x433x176.5mm (DxWxH)
Processor	Intel Xeon Silver 4314/2.4GHz/16C/32T/24MB/2667MHz/135W with SINGLE PROCESSOR
Memory	16 DDR4 memory slots, support DDR4 LRDIMM/RDIMM 2666/2933/3200MHz
Internal storage interface	1 M.2 (PCIe3.0 x4) interface, 3 MiniSAS HD interfaces, 2 SATA DOM interfaces
External hard drive	Front 12 hot-swap 3.5/2.5-inch SAS/SATA hard drives; Rear optional 2X 2.5-inch SAS/SATA or U.2 hard drives
External port	Front: 2 USB3.0 Rear: 1 VGA, 1 COM port, 2 USB3.0, 1 management network port, 2 RJ45 network ports
PCIe expansion specification	10PCIe slots: Support 6 PCIe 3.0x8 (in PCIe x16 slot), 1 PCIe 3.0x16 and 3 PCIe 4.0x16; Optional support for 4 PCIe 3.0x8 (in PCIe x16 slot), 2 PCIe 3.0x16 and 3 PCIe 4.0x16
Safety	TPM/TCM (optional) Chassis open intrusion detection; Locked upper cover of chassis
Power supply	AC 220V 1600W, 2000W, 2200W hot-swap redundant power supply (adapted according to the actual power requirement)
Fan	Standard 8x 8038 hot-swap N+1 redundant fans
IPMI	IPMI 2.0
Management port	1 dedicated RJ45 management network port
RoHS	RoHS 2.0
Operating temperature & humidity	Operating temperature: 5ºC - 35ºC (indoor) Storage temperature: -40ºC - 70ºC Humidity: 20%~80% RH non-condensing
Storage temperature & humidity	Short-term storage (≤72H): temperature -40ºC ~ 70ºC/ humidity 20%~90%RH non-condensing (including packaging) Long-term storage (>72H): temperature 20ºC ~ 28ºC/ humidity 30%~70%RH non-condensing (including packaging)

Product partcode	IQ-S4314SG	4U Single CPU Xeon Silver 4314 16-Core 12-Bay GPU Server

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