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# Gooxi Whitley 4U Dual-socket PCIe4.0 10-GPU Server Specifications

## 1. Product Type

4U rackmount server

## 2. Product Introduction

Gooxi Whitley 4 U dual-socket 10-GPU server supports 1/2 third-generation Intel® Xeon® Scalable series processors, 16 DIMM DDR4 memory slots, integrated 1 M.2 port, 2 Gigabit Ethernet ports, 1 RJ45 management network port, support 10 double-width full-height full-length GPU slots and 7 single-width half-height PCIe expansion slots, suitable for applications such as cloud computing, digital twin, training and inference, big data analytics, scientific computing, etc.

## 3. Product Features

◆ Supports 1/2 3rd Generation Intel® Xeon® Scalable series processors.
◆ Supports 7 single-width half-height PCIe expansion slots, providing rich expansion performance.
◆ Supports 10 full-height and double-width high-performance GPU cards to meet the needs of high computing power.
◆ Supports 16 DDR 4 memory slots, the memory frequency supports 2666/2933/3200 MHz.

## 4. Product Pictures



Front View of AS4110G-D04R-G3



Front View of AS4110G-D10R-G3



Product Rear View
(Product pictures are for reference only, please refer to the actual product)

## 5. Product Parameters

| Product Series | AS4110G-D04R-G3 | AS4110G-D10R-G3 |
|---|---|---|
| Form Factor | 4U 4-bay 10-GPU rackmount server | 4U 10-bay 10-GPU rackmount server |
| Dimension | 790mm*433 mm*176.5mm (depth*width*height) | |
| Processor | Supports 1/2 3rd Generation Intel® Xeon® Scalable series processors | |
| Memory | 16 DDR4 memory slots, support DDR4 2666/2933/3200 MHz LRDIMM/RDIMM memory | |
| Internal Storage Interface | 1 M.2 (PCIe 3.0 x 4) interface, 3 MiniSAS HD interface, 2 SATA DOM interface | |
| External Hard Drive | 4 hot-swappable 3.5/2.5-inch SAS/SATA hard drives in the front, 2 standard 2.5-inch SAS/SATA hard drives in the rear (U.2 module is optional), optional rear 2 x 2.5" SAS/SATA or U.2 hard drive | 10 hot-swappable 2.5-inch SAS/SATA hard drives in the front, 2 standard 2.5-inch SAS/SATA hard drives in the rear (U.2 module is optional), optional rear 2 x 2.5" SAS/SATA or U.2 hard drive |
| External Ports & Buttons | Front: 2 USB 2.0, 1 power button, 1 reset button, 1 hard drive indicator light, 1 system fault light, 2 network indicators | |
| | Rear: 1 VGA, 1 COM port, 2 USB 3.0, 1 management network port, 2 RJ45 network ports | |
| PCIE Expansion Specification | Front: support 10 double-width full-length full-height PCIe 4.0 expansion slots. Rear: Support 4 half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot) and 3 half-height PCIe 4.0x16; Optional 2 half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot), 1 half-height PCIe 3.0x16, and 3 half-height PCIe 4 0 x 16; | |
| Security | Support TPM module | |
| Power Supply | 1200W, 1300W, 1600W, 2000W, 2200W 3+1 redundant power supply (selected according to the actual power consumption of the whole machine power module) | |
| Fan | The center is equipped with standard 8*8038 hot-swappable fans. The rear is equipped with standard 3* 8038 hot-swappable fans. | |
| IPMI | IPMI 2.0 | |
| Management Port | 1 RJ45 management network port | |
| Working Temperature& Humidity | Temperature 5℃~35℃/humidity 20%~80% RH non-condensing | |
| Storage Temperature& Humidity | Short-term storage (≤72 H): temperature -40°C~70°C/humidity 20%~90%RH, non-condensing (including packaging) Long-term storage (>72 H ): temperature 20°C~28°C/humidity 30%~70%RH, non-condensing (including packaging) | |

## 6. Order Information

| Type | PN | Model | Description |
|---|---|---|---|
| Barebone | 0.21.004.0358 | AS4110G-D04R-G3 | Gooxi dual-socket Whitley platform 4U 4-bay 10-GPU server, SATA/SAS direct connection version, standard 4*2000W redundant power supply modules. |

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|---|---|---|---|
| Barebone | 0.21.004.0357 | AS4110G-D10R-G3 | Gooxi dual-socket Whitley platform 4U 10-bay 10-GPU server, SATA/SAS direct connection version, standard 4*2000W redundant power supply modules. |
| **Optional Accessories** | | | |
| High Speed Cable | 3.05.192.0157 | CH-8643-8643RA-L580 | SFF8643 to SFF8643 High-Speed Cable, one end with an 8643 port, right-angle bend, length 620mm. |
| High Speed Cable | 3.05.192.0158 | CH-4SATA-8643- L580 | SFF8087 to SFF8643 High-Speed Cable, 8643 port with a right-angle bend, length 620mm. |
| High Speed Cable | 3.05.193.0009_ | SATA-SATA-550-R | 4 SATA to SFF8643 High-Speed Cables, 8643 port with a right-angle bend, length 500mm. |
| High Speed Cable | 3.05.192.0159 | CH-8643R-4SATA-L650 | SATA To SATA cable, length 550mm. |
| Rear Hard Drive Module | 4.00.101.0003_ | RMC2112-670-DM | Includes SATA/SAS backplane, 2.5-inch hard drive bay, and power cable. SATA cable not included. |
| Rear NVMe Hard Drive Module | 4.00.101.0012_ | RMC2112-675-DM-NV | Includes backplane, 2.5-inch hard drive bay, high-speed cables, and power cable. |
| Rear NVMe Hard Drive Module | 4.00.101.0064 | RMC4104-790-DM-NV | Rear 2.5-inch NV hard drive module, supports two 2.5-inch PCIe 4.0 NV hard drives, onboard 1 MCIO×8 interface, with corresponding labels on the hard drive boxes and high-speed cables. |
| Retimer Card | 4.00.312.0081 | G0832RT-16X (half-height bracket) | PCIe signal enhancement card, PCIe x16 to 2 SFF 8654 interfaces, including half-height bracket, used for connecting U.2 modules. |
| Slide Rail | 1.09.002.0001 | C2907-648-3 | Supports fourth-generation standard chassis and GPU chassis. |
| Retimer Card | 1.24.222.1002 | RM4104G-RT4-16X/PS8926 | PCIe 4.0 Retimer Card, PCIe x16 gold fingers to 2 Slimline x8 interfaces, used for connecting the motherboard to GPU expansion boards. |
| Power Module | 3.03.153.0076 | GC1200PMPA | Gooxi 1200W CRPS power module. |
| Power Module | 3.03.153.0047 | GC1300PMP | Gooxi 1300W CRPS power module. |
| Power Module | 3.03.153.0053 | GC1600PMP | Gooxi 1600W CRPS power module. |
| Power Module | 3.03.153.0064 | GC2000PMP | Gooxi 2000W CRPS power module. |
| Power Module | 3.03.153.0054 | GC2200PMP | Gooxi 2200W CRPS power module. |
| Power Module | 3.03.153.0072 | DPS-2100BBJ | Delta 2000W power module. |
| RAID Card | 3.03.252.0007_ | LSI 9361-8i (1GB cache) | LSI MegaRAID SAS 9361-8i (1GB cache) RAID card, 2 SFF8643 high-speed connectors onboard, support RAID, RAID level 0/1/5/6/10/50/60. |
| RAID Card | 3.03.252.0003 | LSI 9361-8i (2GB cache) | LSI MegaRAID SAS 9361-8i (2GB cache) RAID card, 2 SFF8643 high-speed connectors onboard, support RAID, RAID level 0/1/5/6/10/50/60. |

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| HBA Card | 4.00.104.0005_ | G3008 H-PK | LSI SAS3008 chip, onboard 2 SFF8643 high-speed connector, supports Raid 0, 1, 1E and 10. |
|----------|----------------|------------|------------------------------------------------------------------------------------------|
| Network Card | 4.00.104.0013 | G82599-PK | Adopts Intel 82599 chip and dual-port 10 Gigabit fiber optic network card. |
| Network Card | 4.00.104.0008 | G710-PK | Adopts Intel XL710 chip and has 4*10 Gigabit optical ports onboard. |

(The final interpretation right belongs to Gooxi)