

Specification of Gooxi Whitley 4U Dual-Socket 5-GPU Server

1. Product Type

4U rack server

2. Product Introduction

Gooxi Whitley 4U dual-socket standard server, supports 1 or 2 third-generation Intel® Xeon® Scalable processors, 16 DIMM DDR4 memory slots, integrated 1 M.2 interface, 2 Gigabit Ethernet ports, 1 RJ45 management network port, 10 PCIe expansion slots. It can be applied to the needs of artificial intelligence, virtualization, cloud computing, big data processing, distributed storage, enterprise market and telecom applications.

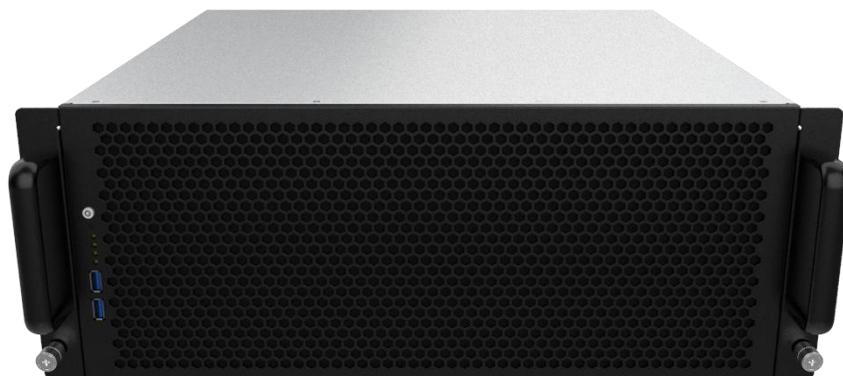
3. Product Features

- ◆ 1 or 2 Gen3 Intel® Xeon® Scalable, up to 205W TDP
- ◆ 10 PCIe high-speed expansion slots, providing rich expansion performance
- ◆ 5 full-height and double-width high-performance GPUs for high computing power
- ◆ 16 DDR4 memory slots, frequency: 2666/2933/3200MHz

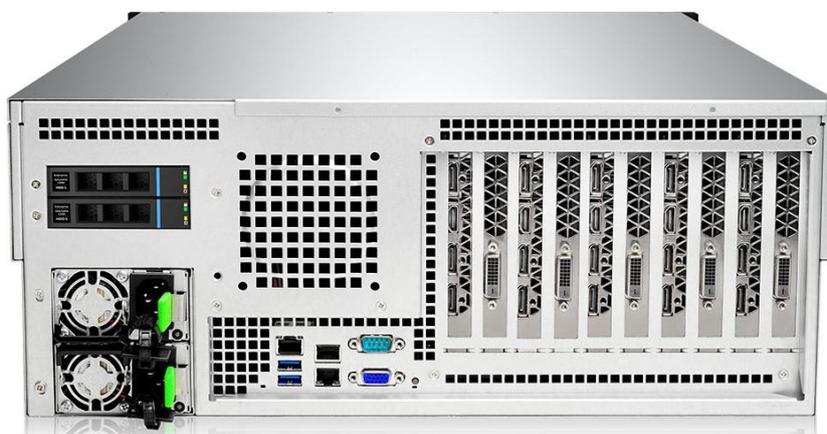
4. Product Pictures



Front View of AS4105G-D12R-G3 Model



Front View of AS4105G-D02R-G3 Model



Rear View

The product pictures are for reference only, please refer to the real object.

5. Product Parameters

Product series	AS4105G-D12R-G3	AS4105G-D02R-G3
Type	4U 12-bay rack server	4U 2-bay rack server
System size	695*433*176.5mm (depth*width*height)	440*433*176.5mm (depth*width*height)
Processor	1 or 2 Gen3 Intel® Xeon® Scalable processors. TDP maximum support 205W	
Memory	16 DDR4 memory slots, DDR4 2666/2933/3200MHz LRDIMM/RDIMM memory	
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 2* 2.5-inch SAS/SATA or U.2 hard drives	Rear 2* 2.5-inch SAS/SATA hard drives; Optional 2* 2.5-inch U.2 hard drives

External port	Front: 2 USB3.0	Front: 2 USB2.0
	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 module	
Power supply	Support 1600W, 2000W, 2200W hot-swap redundant power supply (adapt according to the actual power)	
Fan	Standard 8* 8038 hot-swap N+1 redundant fans	Standard 3* 12038 hot-swap N+1 redundant fans, rear standard 2* 8038 temperature-controlled fans
IPMI	IPMI2.0	
Management port	1 RJ45 management network port	
RoHS	RoHS 2.0	
Operating temperature and humidity	Temperature 5°C~35°C/ humidity 20%~80%RH non-condensing	
Storage temperature and humidity	Short-term storage (≤72H): temperature -40°C~70°C/ humidity 20%~90%RH non-condensing (including packaging); Long-term storage (>72H): temperature 20°C~28°C/ humidity 30%~70% RH non-condensing (including packaging)	

6. Ordering Information

Type	PN	Model	Description
Barebone	0.21.004.1009	AS4105G-D12R-G3	Gooxi dual-socket Whitley platform 4U 12-bay 5-GPU model, SATA/SAS direct connection version, 2200W 1+1 redundant power supply.
Barebone	0.21.004.0013	AS4105G-D12R-G3	Gooxi dual-socket Whitley platform 4U 12-bay 5-GPU model, SATA/SAS direct connection version, 2000W 1+1 redundant power supply.
Barebone	0.21.004.0004	AS4105G-D12R-G3	Gooxi dual-socket Whitley platform 4U 12-bay 5-GPU model, SATA/SAS direct connection version, 1600W 1+1 redundant power supply.
Barebone	0.21.004.0016	AS4105G-D02R-G3	Gooxi dual-socket Whitley platform 4U 2-bay 5-GPU model, SATA/SAS direct connection version, 2200W 1+1 redundant power supply.

Barebone	0.21.004.0006	AS4105G-D02R-G3	Gooxi dual-socket Whitley platform 4U 2-bay 5-GPU model, SATA/SAS direct connection version, 1600W 1+1 redundant power supply.
Optional Accessories			
PCIe adapter card	1.24.223.0372	RMC4124-PCIEIB (PCIe3.0)	Gooxi self-developed PCIe3.0 x16 heightened adapter card
PCIe adapter card	1.24.222.0372	RMC4124-PCIEIB (PCIe4.0)	Gooxi self-developed PCIe4.0 x16 heightened adapter card
Rear hard disk module	4.00.101.0002	RMC3116-670-DM	Gooxi 2U rear 2*2.5-inch hard disk modules, including the backplane and 2.5-inch hard disk box, excluding power cord and Sata cord
Rear hard disk module	4.00.101.0015	RMC4124-670-DM-NV	Gooxi 2U rear 2*NVMe hard disk modules, including backplane, 2.5-inch hard disk box and high-speed cable
Retimer card	4.00.312.0080	G0832RT-16X (Full-height baffle)	PCIe signal enhancement card, PCIe x16 to 2 SFF 8654 interfaces, including full-height baffle
RAID card	3.03.252.0007	LSI 9361-8i (1GB cache)	LSI MegaRAID SAS 9361-8i (1GB cache) RAID card, onboard 2 SFF8643 high-speed connectors, 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, onboard 2 SFF8643 high-speed connectors, support RAID, RAID level 0/1/5/6/10/50/60.
HBA card	4.00.104.0005	G3008H-PK	LSI SAS3008 chip, onboard 2 SFF8643 high-speed connectors, support Raid0, 1, 1E and 10.
Network card	4.00.104.0013	G82599-PK	Using Intel 82599 chip, dual-port 10G fiber optic network card.
Network card	4.00.104.0008	G710-PK	Using Intel XL710 chip, with 4* 10G optical ports onboard.
Fan module	4.00.370.0019	SL201-FM4	Gooxi 8038 temperature-control fan module, maximum speed 15500RPM±10%, 6PIN terminal, 70mm±10mm length.
Guide rail	4.00.312.0004	C2907-664-3	Gooxi self-developed 1U/2U/3U series server guide rail, length: 790mm (AS4105G-D12R-G3)
Guide rail	1.09.002.0001	C2907-648-3	Gooxi self-developed 1U/2U/3U series server guide rail (AS4105G-D02R-G3)
High-speed cable	3.05.192.0011	8643-8643RA-620	SFF8643 to SFF8643 high-speed cable, 8643 port at one end right-angled bend, length 620mm.
High-speed cable	3.05.193.0078	8087-8643RA-620	SFF8087 to SFF8643 high-speed cable, 8643 port right-angled bend, length 620mm.
High-speed cable	3.05.193.0079	4SATA-8643RA-500-8PHSG	4 SATA to SFF8643 high-speed cables, 8643 port right-angled bend, length 500mm.
High-speed cable	3.05.193.0009	SATA-SATA-550-R	SATA to SATA cable, length 550mm.
High-speed cable	3.05.192.0159	CH-8643R-4SATA-L650	8643-4SATA forward cable, one end of the 8643 port is bent at a right angle, and the cable length is 650mm.

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