Specification of Gooxi Whitley 2U Dual-Socket Standard Server

1. Product Type

2 U rackmount server

2. Product Introduction

Gooxi Whitley 2U dual-socket standard server, supports 1 or 2 third-generation Intel® Xeon® Scalable processors, 16 DIMM DDR4 3200MHz memory slots, integrated 1 M.2 interface, 2 Gigabit Ethernet ports, 1 RJ45 management network port, 10 PCIe expansion slots, suitable for virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise market and telecom applications, etc.

3. Product Features

◆ 1 or 2 Gen3 Intel® Xeon® Scalable processors; up to 205W TDP

◆ 16 DDR4 slots, memory frequency 2666/2933/3200MHz

◆ Onboard 1 M.2 (PCIe3.0 x4) slot to meet high-speed cache

◆ Up to 10 PCIe high-speed expansion slots, providing rich expansion performance

◆ 10 half-height high-performance GPUs or 2 full-height, double-width high-performance GPUs to meet the needs of high computing power

4. Product Pictures

Front View of 2U8-bay Model   Front View of 2U12-bay Model

Rear View of 10-PCIe Rear Window

Rear View of 7-PCIe Rear Window

Rear View of 2*Double-width PCIe Rear Window

Rear View of 1*Double-width PCIe Rear Window

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

5. Product Parameters

Product series	**AS201-D08R-G3**	**AS201-D12RE-G3**
Product type	2U 8-bay rackmount server	2U 12-bay rackmount server
Size	695*433.4*87.6mm (D*W*H)	
Processor	Support 1 or 2 Gen3 Intel® Xeon® Scalable processors; up to 205W TDP	
Memory	16 DDR4 slots, support 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: 8 hot-swap 3.5/2.5-inch SAS/SATA hard drive bays; Rear optional 2* 2.5-inch SAS/SATA or U.2 hard drive bays	Front: 12 hot-swap 3.5/2.5-inch SAS/SATA hard drive bays; Rear optional 2* 2.5-inch SAS/SATA or U.2 hard drive bays
External port & button	Front: 2 USB3.0, 1 power button, 1 reset button, 1 hard disk indicator, 1 system fault light, 2 network indicators Rear: 1 VGA, 2 USB3.0, 1 management network port, 2 RJ45 Gigabit Ethernet ports, 1 COM port	
PCIe expansion	**10PCIe half-height version:** Support 6 half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot), 1 half-height PCIe 3.0x16 and 3 half-height PCIe 4.0x16;	

	Optional support for 4 half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot), 2 half-height PCIe 3.0x16, and 3 half-height PCIe 4.0x16 **7PCIe half-height version:** Support 4 half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot) and 3 half-height PCIe 4.0x16; Optional support for 2 half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot), 1 half-height PCIe 3.0x16, and 3 half-height PCIe 4.0x16 **1PCIe full-height, double-width version:** Support 1 full-height, double-width PCIe3.0 x16, 6 half-height PCIe 3.0x8 (in PCIe x16 slot), 1 half-height PCIe 3.0x16 and 2 half-height PCIe 4.0x16 **2PCIe full-height, double-width version:** Support 1 full-height, double-width PCIe4.0 x16, 1 full-height, double-width PCIe3.0 x16 and 3 half-height PCIe x8
Fan	Standard 4* 8038 hot-swap fans (7PCIe version: 3* 8038 hot-swap fans; the whole series optional support for 8056 fans)
Power supply	Optional 550W, 800W, 1300W, 1600W, 2200W 1+1 redundant power supply (adapt based on the actual power)
Security	TPM module
IPMI	IPMI2.0
Certification	CCC
RoHS	RoHS2.0
Operating temperature and humidity	Temperature 5℃～35℃/ humidity 35%～80%RH non-condensing
Storage temperature and humidity	Short-term storage (≤72H): temperature-40℃～70℃/ humidity 20%～90%RH non-condensing (including packaging) Long-term storage (>72H): temperature 20℃～28℃/ humidity 30%～70%RH non-condensing (including packaging)

6. Ordering Information

Type	PN	Model	Description
Barebone	0.21.002.0007	AS201-D08R-G3	Gooxi Whitley platform, 2U 8-bay barebone (7PCIe), SATA/SAS direct connection version, standard 550W 1+1 redundant power supply.

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Barebone	0.21.002.0008	AS201-D12RE-G3	Gooxi Whitley platform, 2U 12-bay barebone (7PCIe), SATA/SAS extended version, standard 800W 1+1 redundant power supply.
Barebone	0.21.002.0125	AS201-D08R-G3	Gooxi Whitley platform 2U 8-bay barebone (10PCIe), SATA/SAS direct connection version, standard 800W 1+1 redundant power supply.
Barebone	0.21.002.0126	AS201-D12RE-G3	Gooxi Whitley platform 2U 12-bay barebone (10PCIe), SATA/SAS extended version, standard 800W 1+1 redundant power supply.
Barebone	0.21.002.0389	AS201-D08R-G3	Gooxi Whitley platform 2U 8-bay barebone (2 PCIe full-height, double-width), SATA/SAS direct connection version, standard 1300W 1+1 redundant power supply.
Barebone	0.21.002.038 2	AS201-D08R-G3	Gooxi Whitley platform 2U 8-bay barebone (1 PCIe full-height, double-width), SATA/SAS direct connection version, standard 1300W 1+1 redundant power supply.
Optional Accessories			
Rear hard drive module	4.00.101.0003	RMC2112-670-DM	Gooxi 2U rear 2*2.5-inch hard drive module, including backplane and 2.5-inch hard disk box, excluding power cord and Sata cable
Rear hard drive module	4.00.101.0012	RMC2112-675-DM-NV	Gooxi 2U rear 2*NVMe hard drive module, including backplane, 2.5-inch hard disk box and high-speed cable
Retimer card	4.00.312.0081	G0832RT-16X (Half-height baffle)	PCIe signal enhancement card, PCIe x16 to 2 SFF 8654 interfaces, including half-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 (2 GB 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, with 2 SFF8643 high-speed connectors on board, supports Raid0, 1, 1E and 10.

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Network card	4.00.104.0013	G82599-PK	Using Intel 82599 chip, dual-port 10 Gigabit fiber optic network card.
Network card	4.00.104.0008	G710-PK	Adopts Intel XL710 chip and has 4* 10G optical ports onboard.
Fan module	4.00.370.0019	SL201-FM4	Gooxi 8038 temperature-controlled fan module, maximum speed 15500RPM±10%, 6PIN terminal, 70mm±10mm cable length.
Guide rail	4.00.312.0004	C2907-664-3	Gooxi self-developed 1U/2U/3U server guide rail, length: 790mm
High-speed cable	3.05.192.0011	8643-8643RA-620	SFF8643 to SFF8643 high-speed cable, one end of the 8643 port is bent at a right angle, and the length is 620mm.
High-speed cable	3.05.193.0078	8087-8643RA-620	SFF8087 to SFF8643 high-speed cable, the 8643 port is bent at a right angle, and the length is 620mm.
High-speed cable	3.05.193.0079	4SATA-8643RA-500-8PHSG	4 SATA to SFF8643 high-speed cables, 8643 ports are bent at right angles, 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 650 mm.

(The final interpretation right belongs to Gooxi)