

Gooxi Whitley 2U Dual-socket High-end Server Specification

1. Product Type

2U rack server

2. Product Introduction

Gooxi Whitley 2U dual-socket high-end server adopts Gooxi G4DCL-B motherboard, supports 1 or 2 third-generation Intel® Xeon® Scalable processors, 32 DIMM DDR4 memory slots, and 2 M.2 ports, 2 Gigabit Ethernet ports, 1 RJ45 management network port, 11 PCIe3.0/PCIe4.0 expansion slots, suitable for virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise market or telecom applications and other needs.

3. Product Features

- ◆ Support 1 or 2 Gen3 Intel® Xeon® Scalable series processors, up to 270W TDP
- ◆ Up to 32 DDR4 slots, memory frequency supports 2666/2933/3200 MHz
- ◆ Motherboard has 2 built-in PCIe NVMe M.2 interfaces (size 2280)
- ◆ Various combinations of PCIe and hard drives
- ◆ Up to 11 PCIe expansions, optional support for 2 double-width, full-height, full-length GPU cards

4. Product Pictures



[Front view of 2U8-bay model](#)



[Rear view of 10 PCIe slots](#)



[Front view of 2U12-bay model](#)



[Rear view of the rear 2.5-inch module](#)



[Front view of the 2U25-bay model](#)



[Rear view of the rear 3.5-inch module](#)

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

5. Product Parameters

Product series	SL201-D08R-G3 SL201-D08R-NV-G3	SL201-D12R-G3 SL201-D12RE-G3 SL201-D12R-NV-G3	SL201-D25RE-G3
Product type	2U 8 bays	2U 12 bays	2U 25 bays
System size	748*433.4*87.6mm (D*W*H)		
Processor	Support 1 or 2 Gen3 Intel® Xeon® Scalable processors, TDP up to 270W		
Memory	32 DDR4 memory slots, support DDR4 LRDIMM/RDIMM 2666/2933/3200MHz		
Internal storage interface	3 Minis SAS HD interface, 2 SATA DOM, 2 M.2 (NVMe) interfaces		
External hard drive	Front 8 hot-swap 3.5/2.5-inch SAS/SATA/U.2 hard disks; Rear optional up to 2* 2×3.5-inch hard disk modules or 2* 2×2.5-inch hard disk modules	Front 12 hot-swap 3.5/2.5-inch SAS/SATA/U.2 hard disks; Rear optional 2* 2×3.5-inch hard disk modules or 2* 2×2.5-inch hard disk modules	Front 25* hot-swap 2.5-inch SAS/SATA hard disks; Rear optional 2* 2×3.5-inch hard disk modules or 2* 2×2.5-inch hard disk modules
External port	Front port: 1 VGA, 2 USB3.0		
	Rear: 1 VGA, 1 COM port, 2USB3.0, 1 RJ45 Gigabit management network port, 2 Gigabit RJ45 service network ports		

PCIe expansion form	6 PCIe full-height slots, 4* PCIe half-height slots, 1* OCP 3.0 slot
PCIe expansion specification	<p>PCIe3.0 version:</p> <p>Riser1 /2:</p> <ul style="list-style-type: none"> ◆ 2 full-height PCIe 3.0 x16 ◆ 1* full-height PCIe 3.0 x16, 2* full-height PCIe 3.0 x8 ◆ 3* full-height PCIe 3.0 x8 ◆ 1* full-height PCIe 3.0 x16, 1* full-height PCIe 3.0 x8 <p>Riser3:</p> <ul style="list-style-type: none"> ◆ 1* half-height PCIe 3.0 x8, 1* half-height PCIe 3.0 x8 (in x16 Slot) ◆ 1* half-height PCIe 3.0 x16 <p>Riser4:</p> <ul style="list-style-type: none"> ◆ 2* half-height PCIe 3.0 x8 <p>OCP :</p> <ul style="list-style-type: none"> ◆ 1* OCP 3.0 (PCIe 3.0 x 8) <p>PCIe4.0 version:</p> <p>Riser1 :</p> <ul style="list-style-type: none"> ◆ 1* full-height PCIe 4.0 x16, 1* full-height PCIe 4.0 x8, 1* full-height PCIe 3.0 x8 ◆ 2* full-height PCIe 3.0 x16 ◆ 3* full-height PCIe 3.0 x8 ◆ 1* full-height PCIe 3.0 x16, 1* full-height PCIe 3.0 x8 <p>Riser 2:</p> <ul style="list-style-type: none"> ◆ 1* full-height PCIe 3.0 x16, 2* full-height PCIe 3.0 x8 ◆ 2* full-height PCIe 3.0 x16 ◆ 3* full-height PCIe 3.0 x8 ◆ 1* full-height PCIe 3.0 x16, 1* full-height PCIe 3.0 x8 <p>Riser3:</p> <ul style="list-style-type: none"> ◆ 1* half-height PCIe 3.0 x8, 1* half-height PCIe 3.0 x8 (in x16 Slot) ◆ 1* half-height PCIe 3.0 x16 <p>Riser4:</p> <ul style="list-style-type: none"> ◆ 2* half-height PCIe 3.0 x8 <p>OCP:</p> <ul style="list-style-type: none"> ◆ 1* OCP 3.0 (PCIe 3.0 x 8)
Safety	TPM module
Power supply	AC 220V 550W, 800W, 1300W, 1600W, 2000W, 2200W redundant power supply (adapt according to the actual power)
Fan	Standard 4* 8038 hot-swap N+1 redundant fans, optional 8056 hot-swap N+1 redundant fans
IPMI	IPMI 2.0
Management port	1 dedicated RJ45 management network port
Certification	CCC, CE, FCC, ROHS
Operating temperature & humidity	Temperature 5 °C~35 °C/ Humidity 20%~80%RH non-condensing
Storage temperature & 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
Barebones	0.21.002.0334	SL201-D08R-G3 (PCIe3.0 version)	Gooxi dual-socket Whitley platform 2U8-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
Barebones	0.21.002.0367	SL201-D08R-NV-G3 (PCIe 3.0 version)	Gooxi dual-socket Whitley platform 2U8-bay model, SATA/SAS/NVMe direct connection version, standard 550W 1+1 redundant power supply
Barebones	0.21.002.0333	SL201-D12RE-G3 (PCIe3.0 version)	Gooxi dual-socket Whitley platform 2U12-bay model, SATA/SAS expansion version, standard 550W 1+1 redundant power supply
Barebones	0.21.002.0332	SL201-D12R-G3 (PCIe3.0 version)	Gooxi dual-socket Whitley platform 2U12-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
Barebones	0.21.002.0368	SL201-D12R-NV-G3 (PCIe 3.0 version)	Gooxi dual-socket Whitley platform 2U12-bay model, SATA/SAS/NVMe direct connection version, standard 550W 1+1 redundant power supply
Barebones	0.21.002.0331	SL201-D25RE-G3 (PCIe3.0 version)	Gooxi dual-socket Whitley platform 2U25-bay model, SATA/SAS expansion version, standard 550W 1+1 redundant power supply
Barebones	N	SL201-D08R-G3 (PCIe4.0 version)	Gooxi dual-socket Whitley platform 2U8-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
Barebones	N	SL201-D12RE-G3 (PCIe4.0 version)	Gooxi dual-socket Whitley platform 2U12-bay model, SATA/SAS expansion version, standard 550W 1+1 redundant power supply
Barebones	N	SL201-D12R-G3 (PCIe4.0 version)	Gooxi dual-socket Whitley platform 2U12-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
Barebones	N	SL201-D25RE-G3 (PCIe4.0 version)	Gooxi dual-socket Whitley platform 2U25-bay model, SATA/SAS expansion version, standard 550W 1+1 redundant power supply
Optional Accessories			
PCIe expansion module	4.00.312.0104	SL2108-748-PCIE1-M	PCIe3.0x24 to 1* PCIe3.0x16 and 1* PCIe3.0x8, Riser1/Riser2 (including full-height holder and adapter board)
PCIe expansion module	4.00.312.0106	SL2108-748-PCIE5-M	PCIe3.0x32 to 1* PCIe3.0x16 and 2* PCIe3.0x8, Riser1/Riser2 (including full-height holder and adapter board)
PCIe expansion module	4.00.312.0105	SL2108-748-PCIE2-M	PCIe3.0x24 to 3* PCIe3.0x8, Riser1/Riser2 (including full-height holder and adapter board)
PCIe	4.00.312.0136	SL2108-748-PCIE1	PCIe3.0x32 to 2* PCIe3.0x16, Riser1/Riser2 (including

expansion module		0-ML	full-height holder and adapter board)
PCIe expansion module	4.00.312.0125	SL2108-748-PCIe3-M	PCIe3.0x16 to 2* PCIe3.0x8, Riser3 (1* x16 SLOT+1* x8 SLOT) (including half-height holder and adapter board)
PCIe expansion module	4.00.312.0129	SL2108-748-PCIe6-M	PCIe3.0x16 to 1* PCIe3.0x16, Riser3 (including half-height holder and adapter board)
PCIe expansion module	4.00.312.0126	SL2108-748-PCIe4-M	2* Slimline x8 to 2* PCIe3.0x8 (1*x16 SLOT+1*x8 SLOT), Riser4 (including half-height holder, adapter board and high-speed cable)
3.5 inch hard disk module	4.00.101.0008	SL201-3.5-MM	2* 3.5"/2.5" SATA/SAS disk, support SGPIO (including high-speed cable and power supply cable)
2.5 inch hard disk module	4.00.101.0009	SL201-2.5-MM	2* 2.5 inch SATA/SAS disk, support SGPIO (including high-speed cable and power supply cable)
U.2 hard disk module	4.00.101.0013	RM2112-748-DM-NV	2* 2.5 inch U.2 hard disk, support SGPIO (including high-speed cable and power supply cable)
Guide rail	4.00.312.0004	C2907-664-3	Gooxi self-developed L-shaped motherboard series 1U/2U/3U server rail, length: 790mm
RAID card	3.03.252.0007	LSI 9361-8i (1GB cache)	LSI MegaRAID SAS 9361-8i (1GB cache) RAID card, 8 SATA/SAS internal ports, PCIE3.0X8, data transfer rate 12Gb/s, support RAID, RAID level 0/ 1/ 5/ 6/ 10/ 50/ 60
RAID card	3.03.252.0003	LSI 9361-8i (2 GB cache)	LSI MegaRAID SAS 9361-8i (2 GB cache) RAID card, 8 SATA/SAS internal ports, PCIE3.0X8, data transfer rate 12Gb/s, support RAID, RAID level 0/1/5/6/10/50/ 60
HBA card	4.00.104.0005	G3008H-PK	Gooxi self-developed LSI 3008 chipset, 12Gb/s SAS card
OCP3.0 network card	1.23.222.0348	G82599L	Gooxi self-developed OCP3.0 network card, using G82599 chip, dual optical port 10G network card
OCP3.0 network card	1.23.222.0417	G710L	Gooxi self-developed OCP3.0 network card, using XL710 chip, four-port 10G network card
Network card	4.00.104.0013	G82599-PK	Gooxi self-developed Intel G82599 chip, standard PCIe3.0x 8 dual optical port 10G network card
Network card	4.00.104.0008	G710-PK	Gooxi self-developed Intel XL710 chip, standard PCIe3.0x8 network card, 4* 10G optical ports
Retimer card	4.00.312.0080	G0832RT-16X (full-height bracket)	PCIe signal enhancement card, PCIe 3.0 x16 to 2 SFF 8654 ports, including full-height brackets

Retimer card	4.00.312.0081	G0832RT-16X (half-height bracket)	PCIe signal enhancement card, PCIe 3.0 x16 to 2 SFF 8654 ports, including half-height brackets
Fan module	4.00.370.0016	SL201-FM2	2U barebone fan module, including fan frame/label/rubber nail, and 1* 8056 fan (6PIN terminal, maximum speed 17000±%10RPM)
Fan module	4.00.370.0017	SL201-FM3	2U barebone fan module, including fan frame/label/rubber nail, and 1* 8056 fan (6PIN terminal, maximum speed 12700±%10RPM)
GPU power cable	3.05.193.0219	CN-PDC-Y280-280	Gooxi self-developed high-end server GPU card power supply cable, 280mm/280mm, (8P to 8P+(6+2)P)
Power module	3.03.153.0052	GC550PMP	Gooxi 550W CRPS power module, 185x73.5x39mm; rated AC voltage 100V-240V, support 240V DC
Power module	3.03.153.0049	GC800PMP	Gooxi 800W CRPS power module, 185x73.5x39mm; rated AC voltage 100V-240V, support 240V DC
Power module	3.03.153.0047	GC1300PMP	Gooxi 1300W CRPS power module, 185x73.5x39mm; rated AC voltage 100V-240V, support 240V DC
Power module	3.03.153.0053	GC1600PMP	Gooxi 1600W CRPS power module, 185x73.5x39mm; rated AC voltage 100V-240V, support 240V DC
Power module	3.03.153.0054	GC2200PMP	Gooxi 2200W CRPS power module, 185x73.x40mm; rated AC voltage 100V-240V, support 240V DC

(The final interpretation rights belong to Gooxi)