

Specification of Gooxi Purley 2U Dual-Socket High-End Server

1. Product Type

2U rackmount server

2. Product Introduction

Gooxi Purley 2U dual-socket high-end server, adopts Gooxi **G3DCL-B** motherboard, supports two 1st/2nd generation Intel® Xeon® Scalable processors, 24 DIMM DDR4 memory slots, 2 onboard M.2 interfaces, 2 Gigabit Ethernet ports, 1 RJ45 management network port, 11 PCIe3.0 expansion slots, suitable for virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise market and telecom application requirements, etc.

3. Product Features

- ◆ One or two 1st/2nd generation Intel® Xeon® Scalable; TDP is up to 205W
- ◆ Up to 24 DDR4 slots, memory frequency 2400/2666/2933MHz
- ◆ 2 built-in NVMe PCIe 3.0 M.2 ports
- ◆ Modular design, various combinations of PCIE and hard drives
- ◆ Up to 11 PCIe3.0 expansions to support 2 double-width, full-height, full-length GPUs

4. Product pictures



Front View of 2U 8-bay Model



Rear View of 10-PCIE Slots



Front View of 2U 12-bay Model



Rear View of Rear 2.5-inch Module



Front View of 2U 25-bay Model



Rear View of Rear 3.5-inch Module

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

5. Product Parameters

Product series	SL201-D08R SL201-D08R-NV	SL201-D12R SL201-D12RE SL201-D12R-NV	SL201-D25RE
Product type	2U 8-bay	2U 12-bay	2U 25-bay
Size	748*433.4*87.6mm (D*W*H)		
Processor	Supports one or two 1st or 2nd generation Intel® Xeon® Scalable processors; TDP is up to 205W		
Memory	24 DDR4 memory slots, support DDR4 LRDIMM/RDIMM 2400/2666/2933 MHz		
Internal storage interface	3 Minis SAS HD interfaces, 2 SATA DOM interfaces, 2* NVMe PCIe 3.0 M.2 interfaces (size 2280)		
External hard drive	Front 8* hot-swap 3.5/2.5" SAS/SATA/NVMe hard drives; Rear optional up to 2* 2×3.5" hard drive modules or 2* 2×2.5" hard drive modules	Front 12* hot-swap 3.5/2.5" SAS/SATA/NVMe hard drives; Rear optional 2* 2×3.5" hard drive modules or 2* 2×2.5" hard drive modules	Front 25* hot-swap 2.5" SAS/SATA hard drives; Rear optional 2* 2×3.5" hard drive modules or 2* 2×2.5" hard drive modules
External port	Front port: 1 VGA, 2 USB3.0 Rear port: 1 VGA, 1 COM port, 2 USB3.0, 1 RJ45 Gigabit management network port, 2 Gigabit RJ45 network ports		
PCIe expansion form	6 PCIe 3.0 full-height slots, 4* PCIe 3.0 half-height slots, 1* OCP 3.0 slot		

*PCIe expansion specification	<p>Riser1: 3*full-height PCIe 3.0 x8 1*full-height PCIe 3.0 x16, 1*full-height PCIe 3.0 x8</p> <p>Riser2: 3*full-height PCIe 3.0 x8 1*full-height PCIe 3.0 x16, 1*full-height PCIe 3.0 x8</p> <p>Riser3: 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> <p>Riser4: 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> <p>OCP: 1*OCP 3.0 (PCIe 3.0 x8)</p>
Security	Optional TPM module
Power supply	AC 220V 550W, 800W, 1300W, 1600W, 2000W, 2200W redundant power supply (adapt based on the actual power)
Fan	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 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	0.21.002.0401	SL201-D08R	Gooxi dual-socket Purley platform 2U 8-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
Barebone	0.21.002.0402	SL201-D08R-NV	Gooxi dual-socket Purley platform 2U 8-bay model, SATA/SAS/NVMe direct connection version, standard 550W 1+1 redundant power supply
Barebone	0.21.002.0403	SL201-D12R	Gooxi dual-socket Purley platform 2U 12-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
Barebone	0.21.002.0405	SL201-D12R-NV	Gooxi dual-socket Purley platform 2U 12-bay model, SATA/SAS/NVMe direct connection version, standard 550W 1+1 redundant power supply
Barebone	0.21.002.0404	SL201-D12R-E	Gooxi dual-socket Purley platform 2U 12-bay model, SATA/SAS extended version, standard 550W 1+1

			redundant power supply
Barebone	0.21.002.0406	SL201-D25R E	Gooxi dual-socket Purley platform 2U 25-bay model, SATA/SAS extended version, standard 550W 1+1 redundant power supply
Optional Accessories			
PCIe expansion module	4.00.312.0105	SL2108-748-PCIE2-M	PCIe3.0x24 to 3*PCIe3.0x8, Riser1/Riser2 (including full-height bracket and adapter board)
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 bracket 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 bracket and adapter board)
PCIe expansion module	4.00.312.0129	SL2108-748-PCIE6-M	PCIe3.0x16 to 1*PCIe3.0x16, Riser3 (including half-height bracket 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 bracket, adapter board and high-speed cable)
PCIe expansion module	4.00.312.0130	SL2108-748-PCIE7-M	2*Slimline x8 to 1*PCIe3.0x16, Riser4 (including half-height bracket, adapter board and high-speed cable)
3.5 inch hard drive module	4.00.101.0008	SL201-3.5-M M	2*3.5-inch/2.5-inch SATA/SAS disk, support SGPIO (including high-speed cable and power supply cable)
2.5 inch hard drive module	4.00.101.0009	SL201-2.5-M M	2*2.5 inch SATA/SAS disk, support SGPIO (including high-speed cable and power cable)
U.2 hard drive 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 1U/2U/3U server guide 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 (2GB 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 10 Gigabit network card
OCP3.0 network card	1.23.222.0417	G710L	Gooxi self-developed OCP3.0 network card, using XL710 chip, four-port 10 Gigabit network card
Network card	4.00.104.0013	G82599-PK	Gooxi self-developed Intel G82599 chip, standard PCIe3.0x 8 dual-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-16 X (full-height baffle)	PCIe signal enhancement card, PCIe 3.0 x16 to 2 SFF 8654 interfaces, including full-height baffle
Retimer card	4.00.312.0081	G0832RT-16 X (half-height baffle)	PCIe signal enhancement card, PCIe 3.0 x16 to 2 SFF 8654 interfaces, with half-height baffle
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-Y2 80-280	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	GC2200PM T	Gooxi 2200W CRPS power module, 185x73.x40mm; rated AC voltage 100V-240V, support 240V DC

(The final interpretation right belongs to Gooxi)