

Specification of Gooxi Purley 1U Dual-Socket High-End Server

1. Product Type

1U rackmount server

2. Product Introduction

Gooxi Purley 1U dual-socket high-end server, adopts Gooxi **G3DCL-B** motherboard, supports two 1st or 2nd generation Intel® Xeon® Scalable processors, 24 DIMM DDR4 memory slots, 2 on-board M.2 interfaces, 2 Gigabit Ethernet ports, 1 RJ45 management network port, 3 PCIe3.0 expansion slots. Fits 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 memory slots, frequency: 2400/2666/2933MHz
- ◆ 2 built-in PCIe 3.0 M.2 ports
- ◆ Modular design, various combinations of PCIe and hard drives
- ◆ 3 PCIe 3.0 expansion slots

4. Product Pictures



Front View of 1U 4-bay Model



Front View of 1U 10-bay Model



Rear View of 1U Model

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

5. Product Parameters

Product series	SL101-D04R	SL101-D10R SL101-D10R-NV
Product type	1U 4-bay	1U 10-bay
Size	748* 433.4* 43.6mm (D*W*H)	
Processor	Supports one or two 1st or 2nd Gen Intel® Xeon® Scalable; 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, 2* NVMe PCIe 3.0 M.2 ports (size 2280)	
External hard drive	Front 4* hot-swap 3.5/2.5" SAS/SATA hard drives	Front 10* hot-swap 2.5" SAS/SATA/NVMe hard drives
External port	Front port: 1 VGA, 2 USB3.0	Front port: 2 USB 2.0
	Rear: 1 VGA, 1 COM port, 2 USB3.0, 1 RJ45 Gigabit management network port, 2 Gigabit RJ45 network ports	
PCIe expansion form	Up to 2 PCIe 3.0 full-height, single-width, half-length slots and 1* OCP 3.0 card	
PCIe expansion specification	Riser1: • 1 Full-height PCIe 3.0 x16 Riser2: • 1* Full-height PCIe 3.0 x16 OCP: 1* OCP 3.0 (PCIe 3.0 x8)	
Safety	Optional TPM module	
Power supply	AC 220V 550W, 800W, 1300W, 1600W, 2000W, 2200W redundant power supply (adapt based on the actual power)	
Fan	7* 4056 hot-swap N+1 redundant fans	
IPMI	IPMI 2.0	
Management port	1 dedicated RJ45 management network port	
Certification	CCC, CE, FCC, ROHS	
Operating temp. & humidity	Temperature: 5 °C~35 °C/ Humidity: 20%~80%RH non-condensing	
Storage temp. & 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	0.21.001.0053	SL101-D04R	Gooxi dual-socket Purley platform 1U 4-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
Barebones	0.21.001.0054	SL101-D10R	Gooxi dual-socket Purley platform 1U 10-bay model, SATA/SAS direct connection version, standard 550W 1+1 redundant power supply
Barebones	0.21.001.0055	SL101-D10R-NV	Gooxi dual-socket Purley platform 1U 10-bay model, SATA/SAS/NVMe direct connection version, standard 550W 1+1 redundant power supply
Optional Accessories			
PCIe expansion module	4.00.312.0128	SL1104-748-P CIE2-M	PCIe3.0x16 to 1*PCIe3.0x16, Riser1/Riser2 (including full-height bracket and adapter board)
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-16X (full-height baffle)	PCIe signal enhancement card, PCIe x16 to 2 SFF 8654 interfaces, including full-height baffle
Guide rail	4.00.312.0004	C2907-664-3	Gooxi L-shaped motherboard series 1U/2U/3U server rail, length: 790mm
Power module	3.03.153.0052	GC550PMP	Gooxi 550W CRPS power module, 185x73.5x39mm; rated AC voltage 100V-240V, support 240V DC
Power	3.03.153.0049	GC800PMP	Gooxi 800W CRPS power module, 185x73.5x39mm;

module			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 rights belong to Gooxi)