

AMD 1U Dual-socket High-end Specification

1. Product Type

1U rack server

2. Product Introduction

Gooxi 1U AMD dual-socket high-end server, adopts Gooxi self-developed G1DLRO-B motherboard, supports AMD EPYC 7003 (Milan) series, 7002 (Rome) series and 7001 (Naples) series, 32 DIMM DDR4 memory slots, onboard 2 M.2 ports, 2 Gigabit Ethernet ports, 1 RJ45 management network port, 2 PCIe expansion slots, suitable for virtualization, cloud computing, large data processing, high-performance computing, distributed storage, enterprise market and telecom applications.

3. Product Features

- ◆ 2 high-performance AMD EPYC 7003/ 7002/7001 CPUs
- ◆ 32 RECC DDR4 slots, up to 3200MHz
- ◆ Remote management; easy to deploy and maintain

4. Product pictures



Front view of 1U4-bay model



Front view of 1U10-bay model



Rear view of 1U4/10-bay model

Note: The product pictures are for reference only, please refer to the actual product

5. Product Parameters

Product series	SR101-D04R	SR101-D10R/NV
Product type	1U 4 bays	1U 10 bays
Size	748*433.4*43.6mm (D*W*H)	
Processor	Support 2 AMD EPYC 7003 series (Milan) processors; * Compatible with AMD EPYC 7002 series (Rome) and AMD EPYC 7001 series (Naples) * CPU TDP≤225W	
Memory	32 DDR4 memory slots, support 2666/2933/3200MHz DDR4 memory	
Internal storage interface	4 SATA ports (2 of them support SATA DOM), 2 M.2 (PCIe x2) ports, 3 MiniSAS HD ports	
External hard drive	Front 4 hot-swap 3.5/2.5-inch SAS/SATA hard drives	Front 10 hot-swap 2.5-inch SAS/SATA/U.2 hard drives
External port	Front: 1 VGA, 2 USB3.0	2 USB2.0
	Rear: 1 VGA, 1 COM port, 2 USB3.0, 1 RJ45 Gigabit management network port, 2 Gigabit RJ45 network ports	
PCIe expansion form	Support 2 PCIe full-height, single-width, half-length slots, 1* OCP 3.0 card slot	
*PCIe expansion specification	Riser 1/Riser 2: PCIe x 16	
Safety	Support TPM module	
Power supply	550W, 800W, 1300W, 1600W, 2200 W redundant power supply (adapt based on the actual power)	
Fan	Standard 7* 4056 hot-swap N+1 redundant fans	
IPMI	IPMI2.0	
Management port	1 dedicated RJ45 management network port	
Certification	CCC	
RoHS	RoHS2.0	
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 (with packaging)	
	Long-term storage (>72H): temperature 20°C~28°C/ humidity 30%~70%RH Non-condensing (with packaging)	

* Update the corresponding firmware when installing AMD Rome or Naples series CPUs

* Optional PCIe4.0

6. Ordering Information

Type	PN	Model	Description
Barebones	80100313 0.12.001.0313	SR101-D04R	Gooxi dual-socket AMD platform 1U4-bay model, passive backplane, standard 550W redundant power supply
Barebones	80100314 0.22.001.0314	SR101-D10R	Gooxi dual-socket AMD platform 1U10-bay model, passive backplane, standard 550W redundant power supply
Barebones	80100369 0.22.001.0369	SR101-D10R-NV	Gooxi dual-socket AMD platform 1U10-bay model, NVMe passive backplane, standard 550W redundant power supply
Note: The above barebones are equipped with PCIe 3.0 motherboard, and the PCIe 4.0 needs to be equipped separately			
Optional Accessories			
PCIe adapter board	22200363 1.24.222.0363	RM1110-PCIEI B2	Gooxi PCIe adapter board, PCIe3.0x16 to 1* PCIe3.0x16 (1U model)
OCP3.0 network card	22200348 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 PCIe3.0x8 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
HBA card	22200171T 1.23.222.1001	G3008H	Gooxi self-developed LSI 3008 chipset, 12Gb/s SAS card
Retimer card	33120080 4.00.312.0080	G0832RT-16X (full-height bracket)	PCIe signal enhancement card, PCIe x16 to 2 SFF 8654 interfaces, including full-height bracket
Retimer card	33120081 4.00.312.0081	G0832RT-16X (half-height bracket)	PCIe signal enhancement card, PCIe x16 to 2 SFF 8654 interfaces, including half-height bracket
Guide rail	301000 20 4.00.312.0004	C2907-664-3	Gooxi L-shaped motherboard 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 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

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