

Specification of Gooxi Purley 2U Dual-Socket Edge Server

1. Product Type

2U rackmount server

2. Product Introduction

Gooxi 2U edge server, supports 1st and 2nd generation Intel® Xeon® Scalable processors, 16 DIMM DDR4 memory slots, 1 M.2 interface on board, 2 Gigabit Ethernet ports, 1 RJ45 management network port. It supports 2 full-height, full-length, double-width GPUs and 1 half-height, half-length, single-width standard PCIe card. Based on the OTII standard design, it meets the business needs of operators who are increasingly emphasizing the cloudification of the core network and access network, as well as the new MEC (Multi-Access Edge Computing).

3. Product Features

- ◆ 1 or 2 Gen1 or Gen2 Intel® Xeon® Scalable processors
- ◆ 16 DDR4 memory slots, memory frequency 2400/2666/2933MHz
- ◆ Onboard 1 M.2 slot (size 2280), satisfying high-speed cache
- ◆ 2 sideways GPU expansion slots, providing rich expansion performance

4. Product Pictures



Product Front View



Product Rear View

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

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5. Product Parameters

Product series	MSY201-D04R
Product type	2U 4-bay rackmount server
System size	450*433*87.6mm (depth*width*height)
Processor	Support 1 or 2 Gen1 or Gen2 Intel® Xeon® Scalable processors. TDP supports up to 125W
Memory	16 DDR4 memory slots, support DDR4 LRDIMM/RDIMM 2400/2666/2933 MHz
Internal storage interface	1 M.2 (PCIe3.0 x4) interface, 3 MiniSAS HD interfaces, 2 SATA DOM interfaces, 2 Slimline 4i interfaces
External hard drive	Front 4 hot-swap 2.5-inch SAS/SATA hard drives
External port	Rear: 1 VGA, 1 DB-9 COM port, 2 USB3.0, 2 USB2.0, 1 management network port and 2 RJ45 network ports
PCIe extension form	Supports 2 full-height, full-length, double-width PCIe slots and 1 half-height, half-length, single-width PCIe slot
Safety	Support TPM module
Power	Standard 550W redundant power, optional 800W, 1200W, 1300W, 1600W (adapt according to the actual power)
Fan	Standard 3* 8038 hot-swap fans
IPMI	IPMI 2.0
Management port	1 dedicated RJ45 management network port
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. Order Information

Type	PN	Model	Description
Barebones	0.21.002.0005	MSY201-D04R	Gooxi dual-socket Purley platform 2U 4-bay edge server, SATA/SAS direct connection version, standard 550W 1+1 redundant power.
Optional Accessories			
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-50 0-8PHSG	4 SATA to SFF8643 high-speed cables, the 8643 port bent at right angle, and the length is 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	SFF8643 to SFF8643 high-speed cable, one end of the 8643 port is bent at a right angle, and the length is 620mm.
Rear hard disk module	4.00.101.0016	RMC2112-450-DM	Including SATA/SAS backplane and 2.5-inch hard disk box, including power cord and Sata 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
Power cord	3.05.193.0215	A2543HC-A2543HC	1*D-type 4PIN to 2* 5PIN, 2.5-inch SATA/SAS hard disk module power cable, length 100mm.
Redundant module	4.00.100.0018	GC800PRB-G	Gooxi 800W redundant power supply.
Redundant module	4.00.100.0019	GC1300PRB-G	Gooxi 1300W redundant power supply.
Redundant module	4.00.100.0031	GC1600PRB-G	Gooxi 1600W redundant power supply.
HBA card	4.00.104.0005	G3008H-PK	LSI SAS3008 chip, 2 SFF8643 high-speed connectors onboard, supports Raid0, 1, 1E and 10.
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.
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.
Guide rail	1.09.002.0001	C2907-648-3	C2907-648-3, guide rail 675mm length
PCIe Riser card	1.24.222.0062	RM2212-PEIB-16X	PCIe adapter board, 16X to 16X

(The final interpretation right belongs to Gooxi)