Gooxi

Specification of 4U 10-GPU Server Chassis

1. Product Type

4U rackmount server

2. Product Introduction

The Gooxi GPU server supports 10 double-width GPUs in a 4U height. The front window supports 4* 3.5-inch or 10* 2.5-inch hard drives, and the rear window supports 4* 2.5-inch hard drives. With extraordinary strength in terms of computing performance, storage expansion capability, stability and more, it can meet the development and application of artificial intelligence and other emerging fields to the greatest extent, and is suitable for big data analysis, 3D graphics applications, video decoding, deep learning, scientific computing and other applications.

3. Product Features

- Superior GPU Density Support
- Excellent thermal control
- Superb hard disk storage capacity

4. Product Pictures

Front View of RMC4104-790-HTF

Front View of RMC4110-790-HTF

Product Rear View

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

5. Product Parameters

Product series	**RMC4104-790-HTF**	**RMC4110-790-HTF**
Product type	4U 4-bay 10 graphics cards	4U 10-bay 10 graphics cards
Size	790mm*433mm*176.5mm (D*W*H)	
Motherboard version	EEB(12*13)/CEB(12*10.5)/ATX(12*9.5)/Micro ATX	
External hard drive	• Front: 4 hot-swap 3.5/2.5-inch SAS/SATA hard drives; • Rear 2* 2.5-inch SAS/SATA hard drives (U.2 modules are optional), and rear 2 additional 2.5-inch SAS/SATA/U.2 hard drives	• Front: 10 hot-swap 2.5-inch SAS/SATA hard drives; • Rear 2* 2.5-inch SAS/SATA hard drives (U.2 modules are optional), and rear 2 additional 2.5-inch SAS/SATA/U.2 hard drives
SGPIO	Support	
External port	Front: 2 USB 2.0, 1 power button, 1 restart button, 1 hard disk LED, 1 system fault LED, 2 network LEDs	
PCIe expansion form	• Front: 10* PCIe full-height, double-width slots; • Rear: 7* PCIe half-height, single-width slots	• Front: 10* PCIe full-height, double-width slots; • Rear: 7* PCIe half-height, single-width slots
GPU amount	Front 10* full-height, double-width, full-length GPUs	
Power supply	1200W, 1300W, 1600W, 2000W, 2200W 3+1 redundant power supply (select the power module according to the actual power consumption of the whole machine)	
Fan	The center is equipped with 8* 8038 hot-swap fans. The rear is equipped with 3* 8038 hot-swap fans.	
Slide rail fixed	Support	
Product material	Imported SGCC (galvanized steel sheet)	
Certification	FCC, CE	
RoHS	RoHS2.0	

6. Ordering Information

Type	PN	Type No.	Description

Chassis	0.31.004.0018	RMC4104-790-HTF	The front is directly connected to 4 disks, the front supports 10 GPUs and 2* Gooxi 1300W modules.
Chassis	0.31.004.0049	RMC4110-790-HTF	The front is directly connected to 10 disks, the front supports 10 GPUs and 2* Gooxi 1300W modules.
Optional Accessories			
Motherboard	1.21.222.0309	G2DA-B	Gooxi dual-socket Purley standard ATX motherboard, 8DIMM, IO block PN: 4.02.003.0021.
Motherboard	1.21.222.0306	G2DE-B	Gooxi dual-socket Purley standard E-ATX motherboard, 16DIMM, IO block PN: 4.02.003.0044.
Motherboard	1.21.222.0380	G3DE-B	Gooxi dual-socket Whitley E-ATX motherboard, 16DIMM, 10*PCIe (3 GEN4 SLOTs, 7 GEN3 SLOTs), IO block PN: 4.02.003.0048.
Motherboard	1.21.223.0380	G3DE-B	Gooxi dual-socket Whitley E-ATX motherboard, 16DIMM, 10*PCIe (10 GEN3 SLOT), IO block PN: 4.02.003.0048.
Motherboard	1.21.222.0368	G2DERO-B	Gooxi dual-socket Naples/Rome/Milan E-ATX motherboard, 16DIMM, 10*PCIe (7 GEN4 SLOTs, 3 GEN3 SLOTs), IO block PN: 4.02.003.0048.
Motherboard	1.21.223.0368	G2DERO-B	Gooxi dual-socket Naples/Rome/Milan E-ATX motherboard, 16DIMM, 10*PCIe (10 GEN3 SLOTs), IO block PN: 4.02.003.0048.
Motherboard	1.21.222.0369	G2SERO-B	Gooxi single-socket Naples/Rome/Milan E-ATX motherboard, 16DIMM, 10*PCIe (6 GEN4 SLOTs, 4 GEN3 SLOTs), IO block PN: 4.02.003.0048.
Motherboard	1.21.223.0369	G2SERO-B	Gooxi single-socket Naples/Rome/Milan E-ATX motherboard, 16DIMM, 10*PCIe (10 GEN3 SLOTs), IO block PN: 4.02.003.0048.
High-speed cable	3.05.192.0157	CH-8643-8643RA-L580	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	3.05.192.0158	CH-4SATA-8643-L580	SFF8087 to SFF8643 high-speed cable, the 8643 port is bent at a right angle, and the length is 620mm.

High-speed cable	3.05.193.0009	SATA-SATA-550-R	4 SATA to SFF8643 high-speed cables, the 8643 ports are bent at right angles, and the length is 500mm.
High-speed cable	3.05.192.0159	CH-8643R-4SATA-L650	SATA to SATA cable, length 550mm.
Rear hard disk module	4.00.101.0003	RMC2112-670-DM	Including SATA/SAS backplane, 2.5-inch hard disk bay and power cord, excluding SATA cable.
Rear NVMe hard disk module	4.00.101.0012	RMC2112-675-DM-NV	Including the backplane, 2.5-inch hard disk box, high-speed cables, and power supply cables.
Retimer card	4.00.312.0080	G0832RT-16X VER.A (full height baffle)	The PCIe3.0 Retimer card x16 has 2* SFF 8654 interfaces.
Guide rail	1.09.002.0001	C2907-648-3	Supports fourth-generation standard chassis and GPU chassis.
Power module	3.03.153.0047	GC1300PMP	Gooxi 1300W CRPS power module.
Power module	3.03.153.0053	GC1600PMP	Gooxi 1600W CRPS power module.
Power module	3.03.153.0064	GC2000PMP	Gooxi 2000W CRPS power module.
Power module	3.03.153.0054	GC2200PMP	Gooxi 2200W CRPS power module.
Power module	3.03.153.0050	GW-CRPS1200D	1200W CRPS module
Power module	3.03.153.0033	R1CA2122A	1200W CRPS module
Power module	3.03.153.1001	DPS-1600AB-13G	1600W CRPS module
HBA card	4.00.104.0005	G3008H-PK	LSI SAS3008 chip, with 2* SFF8643 high-speed connectors on board, 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 on board.
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.

(The final interpretation right belongs to Gooxi)