

Gooxi Purley Dual GPU Server Specification

(Project Code: G2DEW-B (Dilu))

Product Name : Server System

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Remarks:**Version History**

Date	Version	Author	History
2021/01/19	V0.1	Harry Zhang	First Version
2021/05/28	V0.2	Harry Zhang	Revise & Add Ordering Info.

Other Information-Null

1. Product Type

4U Standard Rackmount Storage Server

2. Product Overview

Gooxi Dilu SY-201-D12R-8G/ SY-401-D12R-4G is dual-processor storage server system based on Intel Purley platform. It is a widely used 2U and 4U dual rackmount storage server launched by Gooxi for the needs of the Internet, IDC (Internet Data Center), AI, cloud computing, HPC, big data analysis, 3D graphics applications, video decoding, in-depth learning, enterprise market and telecommunication business applications.

3. Product Features

- ◆ One or two 1st and 2nd Gen Intel® Xeon® Scalable processor, up to 205W
- ◆ Up to 12* DDR4 memory slots, memory frequency supports 2133/2400/2666MHz, per DIMM supports 8GB, 16GB, 32GB, 64GB
- ◆ Onboard 14* SATA 3.0 (3* SFF-8643 + 2* SATA DOM)
- ◆ Onboard 1* M.2 PCIE x2 port (Size: 2280)
- ◆ Onboard built-in 1 Slimline 8i port
- ◆ Up to 11* PCIE 3.0 slots (10* PCIE3.0 X16 expansion slots+1 Slimline x8)
- ◆ Onboard 2* Dual Gigabyte LAN port and 1* Gigabyte management port
- ◆ Supports 2U10, 4U4 high-density GPU

4. Product Pictures





(The product pictures for reference, please take the real object as the standard)

5. Product Specification

Processor and Memory				
Chassis Size	SY201-D12R-8G	670x444x87.6mm	SY401-D24R-4G	670x433x177mm
Motherboard	G2DEW-B			
Processor	Support one or two 1 st and 2 nd Gen Intel® Xeon® Scalable processor			
TDP	Up to 205W			
Processor Cores	Up to 56 cores			
Processor Number	2			
Memory Type	Support DDR4 LRDIMM/RDIMM/NV-DIMM ECC Memory frequency supports 2133 /2400 /2666 MHz. Max. per DIMM: 64GB			
Slots Number	12 DIMM			
Storage and I/O				
Storage Controller	Inner: 2* SATA port (7Pin), 2* PCIe 3.0 X2 M.2, 3* Minisas SFF-8643 port, 1* slimline x8 port			
Driver	Supports 12* hot-swap 3.5"/2.5"SAS/SATA, optional 2* 2.5" HDD or 2* NVME hot-swap HDD			
External Port	Front: 2*USB3.0, 1* VGA port			
	Rear: 1* VGA, 1* DB-9COM, 2* USB3.0, 1* RJ45 Gigabyte management LAN			

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	port, 2* Gigabyte/10 Gigabyte RJ45 LAN port
BMC	ASPEED AST2500
PCIe Expansion	11* PCIe3.0 slots (from which 108 PCIe3.0x16 slots+1* Slimline PCIe3.0 x 8)
TPM	Support
Power Supply	
wfPower	Platinum 550W, 800W, 1200W, 1600W hot-swap redundant(configure based on actual power)
System Fan	
Fan	4/8* 8038 hot-swap fans (optional 4/8* 8056)
Remote Management	
BMC Chip	ASPEED AST2500
IPMI	IPMI2.0
Management Port	1* dedicated RJ45
Operating System	
OS	CentOS7.5/7.6 RHEL 7.4/7.6 SLES12 SP3 Ubuntu 16.04 LTS Fedora 28 Windows 10 Win server 2012 R2/2016/2019 Xenserver 7.1 ESXi 6.7 Windows Server 2012 2016 Hyper-v
BIOS	
Name	AMI
Startup Mode	HDD (internal)/Drive/U disk/ PXE
TPM	Support
Safety Authentication	
Country	Asia, Europe, Australia, Africa
Energy-Saving	CECP, CELP
Safety	CCC, CE, FCC
RoHS	Accord
Environment Parameters	
Operating Temperature	5°C ~ 40°C
Operating Humidity	35% ~ 80%
Storage Temperature	-40°C ~ 70°C
Storage Humidity	20%~90% (including package)

6. Ordering Information

Type	PN No.	Model	Description
Server System	80100299	SY2110G-D12R	Gooxi Self-Developed Purley 2U10 card 12-bay GPU server system. 2U Chassis height. Motherboard adopts Intel Purley dual-processor platform, supports 1 or 2* Intel Skylake/Cascade Lake processors. 12*DDR4 memory slots, up to 1.5TB 2933 MHz DDR4 RECC memory, 2* GBASE-T (Optional adding 2* 10GBASE-T), 2* M.2 SSD ports, 1* IPMI independent LAN port. Supports 12* hot-swap 3.5/2.5" HDD and 2* rear 2.5" HDD, up to 10* half-height PCIE card. Standard configuration of 2* 1200W (optional) CRPS Platinum 1+1 Redundant PSU, supporting hot-swap. 3+1* 8056 hot-swap fans, centralized heat dissipation.
Server System	80100300	SY4104G-D12R	Gooxi Self-Developed Purley Purley4U4card 12-bay GPU server system. 4U Chassis height. Motherboard adopts Intel Purley dual-processor platform, supports 1 or 2* Intel Skylake/Cascade Lake processors. 12*DDR4 memory slots, up to 1.5TB 2933 MHz DDR4 RECC memory, 2* GBASE-T (Optional adding 2* 10GBASE-T), 2* M.2 SSD ports, 1*IPMI independent LAN port. Supports 12* hot-swap 3.5/2.5" HDD and 2* rear 2.5" HDD, up to 4* full-height dual-width GPU cards. Standard configuration of 2* 2000W CRPS Platinum 1+1 Redundant PSU, supporting hot-swap. 3+1* 8056 hot-swap fans, centralized heat dissipation.
Accessories For Option			
HBA Card	22200171T	G3008H VER.B	LSI 3008 chipset, 8* port 12Gb/s SAS cards

OCP3.0 LAN Card	22200348	G82599L PCBA VER.B	G82599L VER.B (OCP3.0 LAN Card, adopts G82599 chip), Dual Port 10 GBase-T
Raid Card	25200007	LSI 9361-8i(1Gb)	LSI 9361-8I(1Gb) 8* port 12Gb/s RAID cards, RAID Level: 0, 1, 5, 6, 10, 50, 60
Raid Card	25200003	LSI 9361-8i(2Gb)	LSI 9361-8I(2Gb) 8* port 12Gb/s RAID cards, RAID Level: 0, 1, 5, 6, 10, 50, 60
Fan Module			
LAN Card	22200243	G710 PCBA VER.A	Intel XL710 chip, standard PCIE 3.0X8 LAN card, 4*10G SFP+