

SY202 Series

Dual Processors High Density Server



Gooxi

SY202-D12RS SY202-D12RFS
SY202-D24RS SY202-D24RFS



High Performance Architecture

Two compute nodes are deployed in 2U space of standard racks, each node supports two Intel® Xeon® E5-2600 V3 / V4 series processors. Suitable for virtual desktops (VDI), large-scale graphics rendering, cloud platforms and other space, high performance requirements of large-scale network applications. The performance is several times greater than the traditional 2U rack server.

Optimized Modular Design

The product is fully modular design, including controller modular, I/O mezzanine module, modular hard drive, power supply module. The modular design is to ease the maintenance, maximize the reliability of the system, and also the cooling performance with energy saving.

Flexible Storage Configurations

SY202-D12RS / SY202-D12RFS: Each node supports 12x 3.5" HDDs (6x 3.5" SATA3.0 HDDs per node).
SY202-D24RS / SY202-D24RFS: Each node supports 24x 2.5" HDDs (12x 2.5" SATA3.0 HDDs per node).

Optional SAS HBA Solution

Support SAS HBA or RAID features on traditional storage devices via side adapter or PCIe slot.

Intelligent System Management

Support IPMI 2.0 Remote Management and easy-to-use software upgrade to remotely upgrade BMC and BIOS software. Powerful system monitoring capabilities, improve the system log information, easy for user's administration.

Massive Memory Support

Each node supports 16x DDR4 DIMM Slot, including RDIMM maximum capacity supports 512GB and LRDIMM maximum capacity supports 1TB.

Versatile I/O Interface

Equipped with a wealth of I/O services interface, each single node default support 2x Gigabit network interface (which can be upgraded to two 10 Gigabit by RJ45 or two 10 Gigabit Ethernet SFP+). Each node supports 2x PCIe x16 slots expansion.

Energy Saving for Green

The system uses 1+1 CRPS redundant power supply, 80+ Platinum certification, up to 96% power conversion efficiency, greatly reducing system power consumption and the costs of operation.

System

Model	SY202-D12RS	SY202-D12RFS	SY202-D24RS	SY202-D24RFS
Storage Drives	Up to 12x 3.5" SAS3.0/SATA3.0 HDDs(2.5" compatible)		Up to 24x 2.5" SAS3.0/SATA3.0 HDDs	
Network	2x Intel® i350-BT2 1GbE LAN	2x Intel® i350-BT2 1GbE LAN 2x Intel® 82599 10GbE SFP+ LAN	2x Intel® i350-BT2 1GbE LAN	2x Intel® i350-BT2 1GbE LAN 2x Intel® 82599 10GbE SFP+ LAN
System Node	Support 2x hot-swappable support high performance computing node			
CPU	Maximum 2x Intel® E5 2600 V3/V4 Processor per node			
Memory	Up to 512GB DDR4-2133/2400 ECC RDIMM and 1024G ECC-LRDIMM via 16x DIMMs per node			
Power Supply	1600W 1+1 Redundant CRPS (80+Platinum) PSU module, optional for DC240V			
System Dimension	29.9" *17.63" *3.46" (D*W*H)			
MB Model	Net Weight: 19 kgs; Gross Weight: 22 kgs			

System Mainboard

MB Model	G1DCN-B
CPU Type	Intel® Xeon® Processor E5-2600 V3/V4 series Socket R3 (LGA2011) up to 145W CPU
Chipset	Intel® PCH WellsBurg C612 Chipset
DIMM Quantity	16x 288pin DDR4 DIMM slots
DIMM Type	Capacity: Up to 512GB DDR4-2133/2400 ECC RDIMM and 1024G ECC-LRDIMM Type: 8GB, 16GB, 32GB and 64GB capacity
Build-in RAID	Intel® RSTe Support software RAID 0, 1, 10 & 5
BMC	Aspeed AST2400
IPMI	Support for Intelligent Platform Management Interface v2.0 IPMI 2.0 with virtual media over LAN and KVM over LAN support ASPEED AST2400 BMC
PCI-E	Support 2x PCIe Slots
USB	2x USB 3.0

DOM Support 1x SATA DOM power connector

Power Supply and PDB

Power Module	2x 1+1 redundant PSU
Power Efficiency	CRPS 1600W module 80+ Gold, optional 240VDC module
Power Input / Output	AC Input: 200-240VAC for 1600W) DC Output: +12V_SB, +12V

System Cooling

Fan Quantity	Up to 4x 8038, support PWM smart fan control
Fan Speed	Maximum 9000RPM

Operating System Compatibility

Operating System Support	Windows Server 2008 R2(64bit) Windows SBS 2011 (64bit) Windows Server 2012/2012 R2 (64bit) Redhat Enterprise Linux Server (32bit/64bit) Suse Enterprise Linux Server (32bit/64bit) Ubuntu Server (32bit/64bit)
Virtualization System Support	VMWare ESXi (Target) Microsoft Hyper-V (Target) Citrix Xen Server (Target) Linux Kernel Virtual Machine (Target)

Operation Environment

Temperature	OP: 10°C ~ 35°C ; NON-OP: -40°C ~ 70°C
Humidity	OP: 35%~80% ; NON-OP: 20% ~ 90%

Certification

Certifications	CE ROHS
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