

# Gooxi

Dual Processors high density server

## SY202 Series



### High-Performance

2xcomputing nodes in standard 2U height, 2xIntel® Xeon® E5-2600 V3/V4 series processors are adopting in each node. Apply to be used for desktop Virtualization, Large graphics rendering, Cloud platform and other great scale networking applications with high performance requirements. performance of whole system is promoted several times than traditional 2U rackmount server.



### Modularity

modularized design with hot-swap function is used in whole Gooxi systems including controller, HDD, and power supply. The system reliability and cooling ability are both guaranteed, meanwhile the power consumption is optimized too.



### HDD Configuration

SY202-D12R/SY202-D12RF: Up to 12x3.5"

HDD, single support 6x3.5" HDD.

SY202-D24R/SY202-D24RF: Up to 24x2.5"

HDD, single support 12x2.5" HDD.



### Mass Memory

Up to 16xDDR4 Dimm Slots per node:

up to 512GB RDIMM;

up to 1TB UDIMM.



### Intelligent Management

IPMI2.0 remote management;

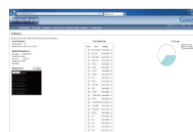
Easy to software upgrade, BMC and

BIOS software can be upgraded

remotely;

Powerful system monitoring

ability, consummate event LOG, Easy to Search and manage.



### Abundant I/O

Abundant I/O Ports, Standard 2x1Gb/s (2x10Gb/s SFP+ Ethernet is optional) and 2x10Gb/s.

PCIE slot can expand

extra 4x1Gb/s or

4x10Gb/s network card.



### Multiple raid card configuration

#### Schem

Support RAID, HBA disk array card;

NVME is supported.



### Energy Efficiency

1+1 Platinum-Efficiency redundant power,

80Plus certification, power

conversion rate reach up to

96%, Greatly reduce system

power consumption, thereby

reduce the costs of

operation and maintenance.



# Technical Parameters

System				
System Model	SY202-D12R	SY202-D12RF	SY202-D24R	SY202-D24RF
HDD	up to 12x3.5" /2.5" HDD	up to 12x3.5" /2.5" HDD	up to 24x2.5" HDD	up to 24x2.5" HDD
Network Port	2xIntel® I350-BT2 1GbE LAN	2xIntel® I350-BT2 1GbE LAN;2xJL82599 10G Fiber Interface	2xIntel® I350-BT2 1GbE LAN	2xIntel® I350-BT2 1GbE LAN;2xJL82599 10G Fiber Interface
System Node	Support 4xeasy-plug high performance dual nodes			
CPU	Each node support 2xIntel® E5 2600 V3/V4 Processor			
Memory	Up to 512G DDR4-1600/1866/2133 ECC-RDIMM ,1024G ECC-LRDIMM in Each node			
Power	1600W 1+1 Platinum-Efficiency redundant power			
Dimension	760mm * 448mm * 88mm (D*W*H )			
Weight	NW:19 kg , GW:22kg			
System Motherboard				
MB Model	G1DCN-B			
CPU	Intel® Xeon® Processor E5-2600 V3/V4 series Socket H3 (LGA2011) up to 145W CPU			
MB Chip	Intel® PCH WellsBurg C612 chip			
DIMM	16xDDR4 DIMM Slot			
Memory	Up to 512G DDR4-2133/2400ECC-RDIMM ,1024G ECC-LRDIMM, Capacity support 8GB, 16GB, 32GB,64GB			
OS HDD connector	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	Each node support 2xPCI-E slot			
USB	2xUSB3.0			
DOM	Support SATA DOM power connector			
System Power				
Quantity	1+1			
Characteristic	1600W 1+1 Platinum-Efficiency redundant power			
Voltage	Input Voltage: 100-245V 47Hz~63Hz; Out Voltage: +12V_SB, +12V			
System Fans				
Quantity	Up to 4x8038 PWM fans			
Speed	Up to 9000 +/- 10% RPM			
Operation System				
Server	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	VMWare ESXi (Target) Microsoft Hyper-V (Target) Citrix Xen Server (Target) Linux Kernel Virtual Machine (Target)			
Temperature and humidity range				
Operating Temperature	Working temperature: 10℃ ~ 35℃; Storage temperature: -40℃ ~ 70℃			
Operation Humidity	Working humidity: 35%~80% ; Storage humidity: 20% ~ 90%			
Authentication				
Authentication	CE ROHS			

SY202-D12R / SY202-D12RF



SY202-D24R / SY202-D24RF



# Gooxi

Dual Processors high density server

## SY204 Series



### High-Performance

4xcomputing nodes in standard 2U height, 2xIntel® Xeon® E5-2600 V3/V4 series processors are adopting in each node. Apply to be used for desktop Virtualization, Large graphics rendering, Cloud platform and other great scale networking applications with high performance requirements. performance of whole system is promoted several times than traditional 2U rackmount server.



### Modularity

modularized design with hot-swap function is used in whole Gooxi systems including controller, HDD, and power supply. The system reliability and cooling ability are both guaranteed, meanwhile the power consumption is optimized too.



### HDD Configuration

SY204-D12R/SY204-D12RF: Up to 12x3.5"

HDD, single support 3x3.5" HDD.

SY204-D24R/SY204-D24RF: Up to 24x2.5"

HDD, single support 6x2.5" HDD.



### Memory

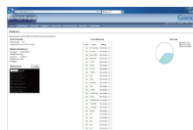
Up to 16xDDR4 Dimm Slots per node:

up to 512GB RDIMM;  
up to 1TB UDIMM.



### Intelligent Management

IPMI2.0 remote management;  
Easy to software upgrade, BMC and BIOS software can be upgraded remotely;  
Powerful system monitoring ability, consummate event LOG, Easy to Search and manage.



### Abundant I/O

Abundant I/O Ports,  
Standard 2x1Gb/s  
(2x10Gb/s SFP+ Ethernet is optional) and 2x10Gb/s.  
PCIe slot can expand extra 4x1Gb/s or 4x10Gb/s network card.



### Multiple raid card configuration

#### Schem

Support RAID, HBA disk array card;  
NVME is supported.



### Energy Efficiency

11+1 Platinum-Efficiency redundant power,  
80Plus certification, power conversion rate reach up to 96%, Greatly reduce system power consumption, thereby reduce the costs of operation and maintenance.



# Technical Parameters

System				
System Model	SY204-D12R	SY204-D12RF	SY204-D24R	SY204-D24RF
Motherboard Model	G1DCN-B	G1DCN-BF	G1DCN-B	G1DCN-BF
HDD	up to 12x3.5" /2.5" HDD	up to 12x3.5" /2.5" HDD	up to 24x2.5" HDD	up to 24x2.5" HDD
Network Port	2xIntel® I350-BT2 1GbE LAN	2xIntel® I350-BT2 1GbE LAN ; 2xJL82599 10G Fiber Interface	2xIntel® I350-BT2 1GbE LAN	2xIntel® I350-BT2 1GbE LAN ; 2xJL82599 10G Fiber Interface
System Node	Support 4xeasy-plug high performance dual nodes			
CPU	Each node support 2xIntel® E5 2600 V3/V4 Processor			
Memory	Up to 512G DDR4-1600/1866/2133 ECC-RDIMM ,1024G ECC-LRDIMM in Each node			
Power	1600W 1+1 Platinum-Efficiency redundant power			
Dimension	760mm * 448mm * 88mm (D*W*H )			
Weight	NW:22 kg , GW:25 kg			
System Motherboard				
CPU	Intel® Xeon® Processor E5-2600 V3/V4 series Socket H3 (LGA2011) up to 145W CPU			
MB Chip	Intel® PCH WellsBurg C612 chip			
DIMM	16xDDR4 DIMM slot			
Memory	Up to 512G DDR4-2133/2400 ECC-RDIMM ,1024G ECC-LRDIMM, Capacity support 8GB, 16GB, 32GB,64GB			
OS HDD connector	Intel® RSTe Support software RAID 0, 1,5 & 10			
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	Each node support 2xPCI-E slot			
USB	2xUSB3.0 connector			
DOM	Support SATA DOM power connector			
System Power				
Quantity	1+1			
Characteristic	1600W 1+1 Platinum-Efficiency redundant power			
Voltage	Input Voltage: 100-245V 47Hz~63Hz; Out Voltage: +12V_SB, +12V			
System Fans				
Quantity	Up to 4x8038 PWM fans			
Speed	Up to 9000 +/- 10% RPM			
Operation System				
Server	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	VMWare ESXi (Target) Microsoft Hyper-V (Target) Citrix Xen Server (Target) Linux Kernel Virtual Machine (Target)			
Temperature and humidity range				
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Operation Humidity	Working humidity: 35%~80% ; Storage humidity: 20% ~ 90%			
Authentication				
Authentication	CE ROHS			

SY204-D12R / SY204-D12RF



SY204-D24R / SY204-D24RF

