

# 2U8Bay high performance server

SYS-8029R

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## 一、产品简介

SYS-8028R series products are based on Xeon® Scalable series processors of Intel platform and modular design, providing customers with a 2U dual-socket server with high performance, high reliability, low power consumption and optimal heat dissipation. Whether it's an enterprise-level data center or a developing enterprise application, the product can provide a variety of flexible configuration options, which can better meet the growing server demand of customers, provide reliable hardware support for data storage, big data processing, virtualization and other applications, and is the best choice for large-scale industries, enterprises and government users with high requirements for stability and practicality.

## 二、产品特性

### **The system is stable and reliable**

Stable and innovative bottom design, combined with precise airflow guidance and fan adjustment mechanism, create a stable and reliable model.

### **Overall system performance improvement**

Supports Intel platform Xeon® Scalable series processors, with 50% more cores and cache than the previous generation, greatly improving processor performance.

In terms of memory, the latest DDR4 memory technology is adopted, which can support a maximum total capacity of 2T. Higher density and larger capacity provide better performance for enterprise virtualization and business processing.

Supports NVDIMM technology, large-capacity capacitors can supply power to DRAM in the event of a power failure or crash, and transfer data to NAND, and put it back on DRAM after recovery, which is very useful for servers such as online trading systems and cloud computing. significant value;

Support hardware monitoring, can remotely monitor the working status of the host power supply, voltage, temperature, fans and other hardware;

### **Better support for tiered storage**

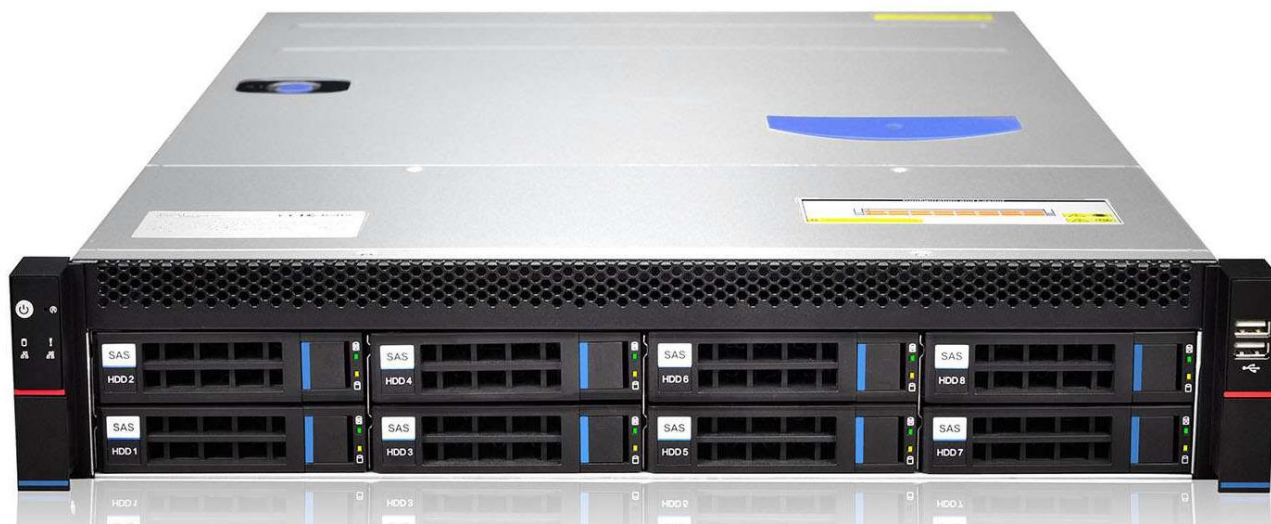
It supports up to 8 3.5-inch front-mounted hot-swappable hard disks, providing various storage solutions for enterprise applications, such as large-capacity hard disk pools, tiered storage, and distributed storage.

The DOM electronic hard disk supporting 2 SATA interfaces provides high-performance, high-stability, and low-cost storage solutions for enterprise applications.

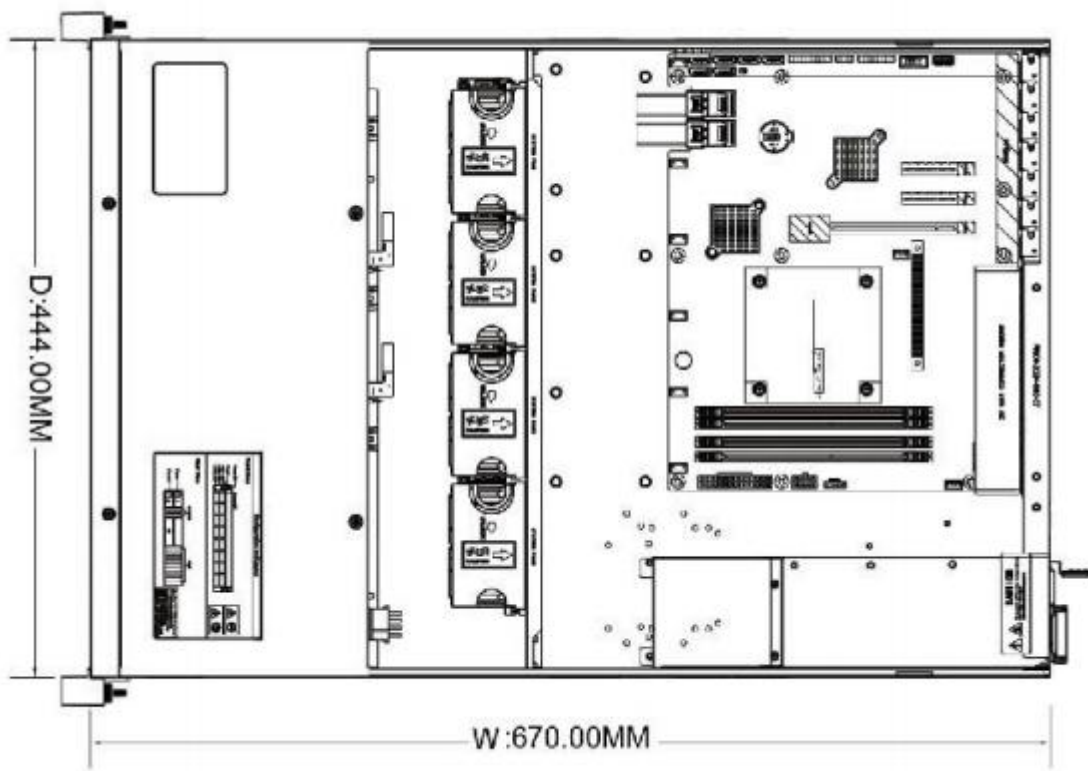
### **High I/O and network throughput**

The product supports 4port Gigabit Ethernet port to provide a variety of network transmission and communication solutions for enterprise applications.

### 三、产品外观 (2U8Bay)



### 四、产品外形尺寸



## 五、技术规格参数

Category	Model	<b>SYS-8029R-8TN4I(SYS-8029R-8SN4I)</b>
	Product form	2U rack server
Processor	Number of processors	2 个, 2 x Socket P (LGA 3647)
	Processor model	Intel Xeon® Scalable 1th/2th Generation Processors UPI (10.4 GT/s)

	Chip set	Intel®C621
Memory	Memory slots	16 memory slots (4channels /CPU, 8-DIMM slot /CPU)
	internal storage capacity	Maximum support 4TB 3DS RDIMM Maximum support 4TB 3DS LRDIMM Maximum support 2TB Intel® Optane™ DC (Only supported by 2nd generation Scalable processors)
	Memory type	2933/2666/2400/2133MHz ECC DDR4 RDIMM, LRDIMM
	memory size	RDIMM: 16G, 32G, 64GB, 128GB LRDIMM: 64GB, 128GB, 256GB
Front Storage	Number of hard disks	8
	controller	PCH integrated(LSI-9361-8I)
	Raid	Raid 0, 1, 5, 10(Raid 0, 1, 5, 6, 50, 60)
	interface type	SATA3(SATA3 / SAS)
	Hard disk size	2.5" / 3.5"
Rear Storage	Number of hard disks	2
	controller	PCH integrated
	interface type	SATA3

	Hard disk size	2.5
Internal storage	Number of hard disks	2
	controller	PCH integrated
	Raid	Raid 0, 1
	interface type	SATA3
	Hard disk size	2.5" / 3.5"
M.2 Interface	quantity	2
	interface type	PCI-E 3.0 x4
	measure	2280, 2240
DOM	quantity	2
	controller	PCH integrated
Gigabit network	controller	Intel i210 Enterprise Gigabit Network Controller
	Number of interfaces	2 Gigabit networks, support 10/100/1000Mbps/2500Mbps
	Interface form	1 double-layer RJ45
2.5 Gigabit network	controller	Intel i225 Enterprise Gigabit Network Controller
	Number of interfaces	2 Gigabit networks, support 10/100/1000Mbps/2500Mbps

	Interface form	1 double-layer RJ45
IPMI	management interface	1 standard RJ45, 10/100/1000Mbps network interface
Display	controller	ASPEED AST2500 BMC
	Interface form	VGA
I/O	PCIe expansion	3 standard PCIe 3.0 x16 (x16 slot) 3 standard PCIe 3.0 x8 (x8 slot)
	Backplane I/O interface	2 x USB 3.0 2 x USB 2.0 1 x VGA 1 x COM 1 x UID switch (LED) 2 x RJ-45 GbE LAN 2 x RJ-45 2.5GbE LAN 1 x RJ-45 IPMI management interface
	Switch/LED	1 x power switch (with power indicator) 1 x Reset 1 x restart switch 1 x hard drive indicator 1 x abnormal fan indicator/abnormal /CPU temperature indicator 1 x network (1-4) indicator 1 x management port indicator

System	OS support	<p>Windows® Server 2016</p> <p>Windows® Server 2012 R2</p> <p>Windows® 10 64-bit</p> <p>RedHat® Enterprise Linux</p> <p>SuSE® Linux Enterprise Server</p> <p>CentOS</p> <p>Ubuntu</p> <p>VMware</p> <p>Citrix XenServer</p>
Power	Input	1+1 redundant power supply 550W/800W
Structure	FAN	3 hot-swappable 8038 temperature-controlled fans
	Size of case	444mm (W) 88mm (H) 670mm (D)
	Installation kit	Support slide rail
Environment	Parameter	<p>Operating temperature: 0° C to 35° C; ; Operating temperature:-40 c to 70 c</p> <p>Working relative humidity: 8% to 90% (without condensation); Non-working relative humidity: 5% to 95% (without condensation)</p>