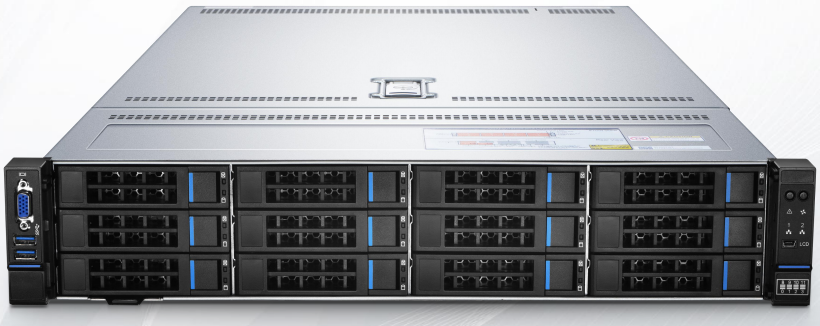
RACK SERVERS

SUPERIOR EXPANDABILITY AND PERFORMANCE FOR FUTURE GROWTH

RS-7088/7188/7288, 2U, 2-socket rack servers support two Intel® Xeon® Scalable processors and up to 24 DDR4 DIMMs with max 3TB capacity



Overview

They are 2U 2-socket rack servers, which help to simplify deployment and provide high scalability with lower cost. It is an ideal choice for workloads including Big Data analysis, cloud computing and virtualization.

Based on modular design, the servers deliver flexible configuration and maintenance, and greatly improve the resource utilization in data centers.

Benefits

- 2 Intel® Xeon® Scalable processors
- 24 DDR4 DIMM slots, up to 2666MT/s, 3TB max
- Up to 12x 3.5'' or 25x 2.5'' hard drives for local storage
- Up to 8x PCI expansion slots

Key Features

Comprehensively Improved Performance

- Supports up to two Intel® Xeon® Scalable processors, which is completely improved in the field of core numbers, frequency, cache, interconnect channel.
- Supports up to 3TB, 24 DIMM slots to meet the demands of different applications.
- Up to 8x PCI expansion slots including 1x non-standard PCIe x8 SAS/RAID mezzanine card and 1x non-standard PCIe x8 NIC mezzanine card

Excellent Storage Expandability

- Support RAID 0/1/10/5, optional 12 Gb RAID 0/1/5/6/10/50/60
- Front Bays, up to 12x 3.5" or up to 25x 2.5" SAS/SATA/SSD
- Rear Bays, up to 6x 2.5" or up to 4x 3.5" + 2x 2.5" SAS/SATA/SSD
- Support up to 16 NVMe drives to optimize storage utilization and extendibility in data centers

Optimized Stability and Security

The severs have completed the compatibility and reliability testing, which can provide a solid guarantee for customers' critical business. With the strengthen protection, you can reliably and securely deliver accurate data to your customers.

Networking and Management

Support iKVM (KVM over Ethernet) remote management function with independent 1Gb/s IPMI. They will help system administrators to maintain system on time by remote real-time monitoring and switching.

QuickSpecs

They come with the industry-standard hardware and pre-installed configuration. Here's a look at the details...

Item	Description		
	RS-7088	RS-7188	RS-7288
CPU Type	NO	2x Intel® Xeon® Silver 4112 2.6G, 4C	2x Intel® Xeon® Silver 4116 2.1G, 12C
Memory Capacity	NO	2x 32GB RDIMM, 2666MT/s, Dual Rank	2x 32GB RDIMM, 2666MT/s, Dual Rank
Drives	NO	2x 240GB SSD SATA 2.5'' Hot-plug Drives	2x 240GB SSD SATA 2.5'' Hot-plug Drives

Characteristics

	RS-7088	RS-7188	RS-7288
Form Factor	2U rack server		
CPU	Up to two full-series Intel® Xeon® Scalable processors		
Memory	DDR4 ECC RDIMMs/LRDIMMs server memory, Memory frequency 1866/2133/2400/2666MHz 12x DDR4 channel, each channel has 2x DIMM, 24x DDR4 slots, supports 8GB, 16GB, 32GB, 64GB, 128GB, up to 3.0TB		
Drive Bays	Front Bays, up to 12x 3.5" or up to 25x 2.5" SAS/SATA/SSD Rear Bays, up to 6x 2.5" or up to 4x 3.5" + 2x 2.5" SAS/SATA/SSD NVMe: up to 16 NVMe drives		
Chipset	Intel® PCH server C621 series chipset		
Storage Controller	Internal storage controller: PCH support RAID 0/1/10/5, optional 12 Gb RAID 0/1/5/6/10/50/60 (1G/2G/4G cache) External storage HBA (not RAID): 12 Gb SAS HBA On-board SSD/SATA DOM: 1x PCIe 3.0 x4 M.2 slot, 2x Mini SSD slot (SATA DOM)		
Network	Embedded 2x 1GbE port, optional 2x 1Gb/4x 1Gb/2x 10Gb/4x 10Gb/2x 40Gb NIC cards		
I/O	Front port: VGA, 2x USB3.0, 1x LCD specified Mini USB; Rear port: VGA, 2x USB3.0, 1x management interface, 2x RJ45 port		
PCIe Expansion Slots	Up to 8x PCIe slots; Max 2x PCIe 3.0 slot x16; Up to 2x full-height half-length PCIe x16 GPU; 1x non-standard PCIe x8 SAS/RAID mezzanine card and 1x non-standard PCIe x8 NIC mezzanine card		
Security	TPM/TCM (optional); chassis open intrusion detection; locked front panel; locked front cover plate		
System Fans	N+1 Hot-swap redundant fans system		
Power Supply	Platinum level 550W, 800W, 1300W hot-swap redundant CRPS, optional support 240 and 338 VDC PSU		
System Management Interface	Embedded iBMC management module, support IPMI, SOL, KVM Over IP, Virtualmedia and etc.; optional LCD management module		

Characteristics

	RS-7088	RS-7188	RS-7288
Operating System	Microsoft® Windows Server®, Red Hat® Enterprise Linux, SUSE® Linux Enterprise Server, CentOS, Citrix® Xen Server, VMware® ESXi®, Linux KVM, Ubuntu®		
Operating Temperature	Standard Operating Temp: 5ºC-35ºC (w/o direct sunshine) Expander Operation Temp: 5ºC-40ºC (Configuration Match Limited) Transmit Store Temp: -40ºC-65ºC		
Operating Humidity	Operating Temp: 30%-80% (non-condensing) Store Temp: 5%-95% (non-condensing)		
Dimension (HxWxD)	3.42"x17.5"x31.8"		

Supported Operating System

Item	Description		
	RS-7088	RS-7188	RS-7288
Microsoft® Windows Server® OS			
Windows 10	√	√	√
Windows 2012	√	√	√
Windows 2012 R2	√	√	√
Windows 2012 R2 Hyper-v	√	√	√
Windows 2016	√	√	√
Windows 2016 Hyper-v	√	√	√
Windows 2019	√	√	√
Red Hat® Enterprise Linux OS			
RHEL 6.4	√	√	√
RHEL 6.5	√	√	√
RHEL 7.0	√	√	√

Supported Operating System

Item	Description		
	RS-7088	RS-7188	RS-7288
RHEL 7.2	√	√	√
RHEL 7.5	√	√	√
RHEL 7.7	√	√	√
RHEL 8.0	√	√	√
Open SUSE OS			
Open SUSE 15.0	√	√	√
Open SUSE 15.1	√	√	√
Open SUSE 15.2	√	√	√
Oracle® Linux OS			
Oracle Linux 6.5	√	√	√
Oracle Linux 7.0	√	√	√
Oracle Linux 7.5	√	√	√
Oracle Linux 8.0	√	√	√
VMware® ESXi® OS			
VMware ESXI 6.0.0	√	√	√
VMware ESXI 6.5.1	√	√	√
VMware ESXI 6.5.2	√	√	√
VMware ESXI 6.5.3	√	√	√
VMware ESXI 6.7.0	√	√	√
VMware ESXI 6.7.1	√	√	√
VMware ESXI 6.7.2	√	√	√
VMware ESXI 6.7.3	√	√	√

Supported Operating System

Item	Description		
	RS-7088	RS-7188	RS-7288
Citrix® Xen® Server OS			
Citrix Xen Server 7.0	√	√	√
Citrix Xen Server 7.5	√	√	√
Citrix Xen Server 8.0	√	√	√
Ubuntu® Server OS			
Ubuntu 14.04	√	√	√
Ubuntu 18.04	√	√	√
Ubuntu 19.04	√	√	√
CentOS			
CentOS 6.4	√	√	√
CentOS 6.5	√	√	√
CentOS 7.0	√	√	√
CentOS 7.2	√	√	√
CentOS 7.5	√	√	√
CentOS 7.7	√	√	√
CentOS 8.0	√	√	√

Service

RS-7288 server comes with a 3-year limited warranty, and it supports free return within 30 days from the day you receive your goods. For more information, please check at https://www.fs.com/policies/day_return_policy.html.

Accessories


Motherboard *1


Power Module *2


Fan *4

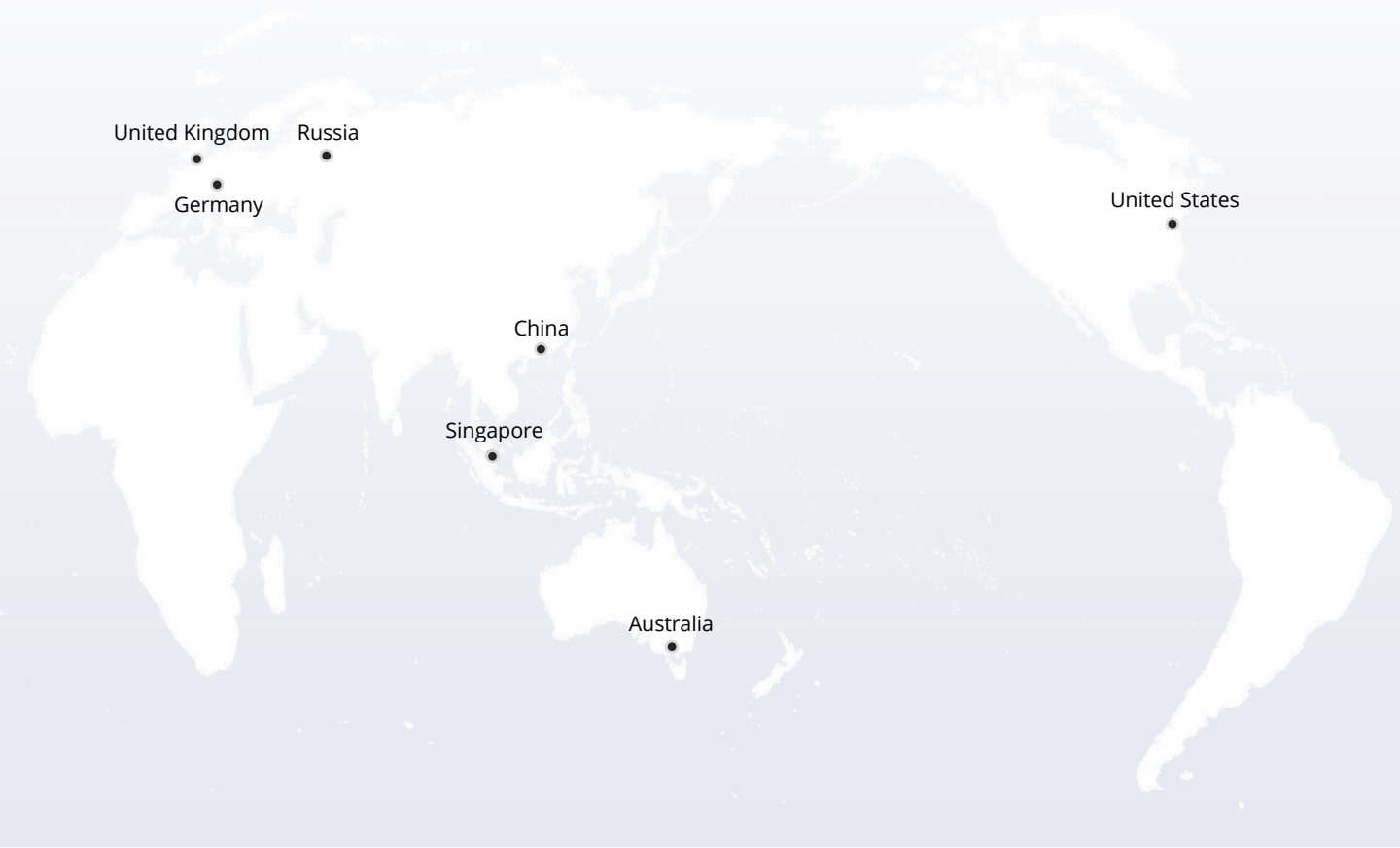

SAS PCIe Card *1


Power Cable *2


Disk Enclosure *12

Get Started Today

Getting started with FS Servers is easy. In fact, you can explore and test without spending too much time. Try FS Servers, bringing the scalability and agility to the network edge while also lowering total cost of ownership.



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