



# R815 1U Dual-Socket Rack Server

The R815 is a 1U dual-socket high-density rack server equipped with 4th/5th Gen Intel® Xeon® Scalable processors. It integrates performance, density, and scalability to double data center computing density and space utilization, significantly reducing operational costs. Ideal for cloud computing and data processing scenarios.



*Extreme Performance with  
Ultra-High Density*

## Specifications

<b>Model</b>	R815
<b>Processor</b>	Supports 2*4th/5th Gen Intel® Xeon® Scalable Processors.
<b>Memory</b>	32*DDR5 slots, up to 5600MHz. Supports memory mirroring, hot spare, fault isolation, and XL expansion (additional 16 slots).
<b>Storage Controller</b>	Supports RAID 0/1/10/5/50/6/60. RAID controller features cache supercapacitor protection, disk roaming, remote Web configuration, and secure boot.
<b>Local Storage</b>	Max 4*3.5" or 10*2.5" hot-swappable drives (NVMe compatible). Internal: 2*SATA/PCIe M.2, 1 *onboard EMMC.
<b>Network Interfaces</b>	1*OCP 3.0 slot with NCSI. Optional OCP 3.0 interfaces: 2* 1GE, 2* 10GE, 2*25GE, 2* 100GE, 2*200GE.
<b>PCIe Expansion</b>	2*PCIe 5.0 slots + 1*OCP 3.0 slot.
<b>Additional Interfaces</b>	Rear: 1*RJ-45 management port, 2*USB 3.0, 1*VGA. Front: 2*USB 3.0. Internal: 1*USB 3.0.
<b>Power Supply</b>	1300W/2000W/2200W CRPS Platinum PSU (hot-swappable, 1+1 redundant). Voltage: 100~240Vac (refer to nameplate).
<b>Fans</b>	8*hot-swappable fans (N+1 redundancy).

<b>Management</b>	Integrated BMC with 1Gbps RJ-45 port. Supports Redfish, SNMP, IPMI 2.0, HTML5/iKVM remote control. BMC dual-flash backup.
<b>OS Support</b>	Windows Server, RHEL, SLES, CentOS, Ubuntu, VMware ESXi, Kylin, RedFlag, etc.
<b>Operating Temperature</b>	5°C ~ 45°C
<b>Chassis Dimensions</b>	796mm (L)*435mm (W)*43mm (H).
<b>Packaging Dimensions</b>	1000mm (L)*600mm (W)*260mm (H).
<b>Weight</b>	Max 25kg (varies by configuration).

## Product View



4\*3.5-inch hard drives model



Optional 4-disk or 10-disk chassis, supporting 4 x 3.5-inch hard drives or 10 x 2.5-inch hard drives.

It supports 2 \*16 slots and one OCP slot.



## Product Features

### ☰ High-density deployments

1U space supports 2 Intel® Xeon®4/5th processors, 32 DDR5 memory with a maximum speed of 5600MHz, high-speed flash memory for multiplied performance, Strong expandability, rear 2\*PCIe 5.0 slots + 1\*OCP 3.0 slots.

### ⊕ Safe and Reliable, Efficient Energy Saving

Maintenance efficiency is increased by 60%, PCIe link is accurately diagnosed, PCIe link faults are quickly diagnosed, system downtime is reduced by 70%, and memory link is accurately diagnosed.

Featuring industry-leading power supply technology, the server achieves top-tier power conversion efficiency, with power loss 12.5% lower than the industry average and delivering up to 8% higher energy savings versus standard industry products. Proprietary algorithms optimize fan and CPU power consumption to the minimum. Equipped with intelligent service awareness and dynamic load adjustment capabilities, it dynamically tunes CPU operating frequency according to real-time business workloads.

### ☞ Intelligent O&M

Delivering 20× higher upgrade efficiency, the tool-free design enables fast component assembly and disassembly to shorten O&M time. Out-of-band visual management supports precise remote localization of physical device status and information, enabling intelligent full-lifecycle services for the product.