



# R845 4U High Density Storage Server

The R845 is a 4U high-density storage server based on 4th/5th Gen Intel® Xeon® Scalable processors, boasting massive storage capacity, outstanding computing performance, rich I/O expansion capabilities, and a lightweight design. Built specifically to meet demanding application requirements for large capacity, high performance, scalability, and reliability, it stands out in ensuring stable operation for critical business workloads.



*Ultimate performance*

*Flexible expansion*

## Specifications

Model	R845
Processor	Supports 2*4th/5th Gen Intel® Xeon® Scalable Processors. (TDP 385W)
Memory	Up to 32*DDR5 slots, up to 5600MHz
RAID Controller	The onboard RAID controller features cache supercapacitor protection, supporting RAID level migration, disk roaming, self-diagnosis, web remote management and RAID secure boot
Storage	Up to 40*3.5" and 4*2.5" hot-swappable drives (NVMe compatible) Internal: 2*SATA/PCIe M.2
Network Interfaces	1*OCP 3.0 slot with NCSI Optional OCP 3.0 interfaces: 2*GE, 2*10GE, 2*25GE, 2*100GE, 2*200GE
PCIe Expansion	6*PCIe 5.0 slots + 1*OCP slot
Additional Interfaces	Rear: 1*RJ-45 management port, 2*USB 3.0, 1*VGA Front: 2*USB 3.0+1*VGA
Power Supply	Supports 1300W/2000W/2200W CRPS Platinum PSU (hot-swappable, 1+1 redundant) Voltage: 100~240V AC (refer to nameplate)
Fan	4*hot-swappable fans
Management	Integrated BMC with 1Gbps RJ-45 port Supports Redfish, SNMP, IPMI 2.0, HTML5/iKVM remote control BMC dual-flash backup

OS Support	Windows Server, RHEL, SLES, CentOS, Ubuntu, VMware ESXi, etc.
Operating Temperature	5°C ~ 45°C
Chassis Dimensions	798mm (L)*446mm (W)*175.5mm (H)
Packaging Dimensions	1050mm (L)*650mm (W)*480mm (H)
Weight	Max 58kg (varies by configuration)

## Product View



Front View



Rear View Optional 1

(12\*3.5 SAS/SATA+2\*2.5 SAS/SATA+6\*PCIe 5.0 slots+1\*OCP 3.0)



Rear View Optional 2

(12\*3.5 SAS/SATA+4\*2.5 SAS/SATA/NVMe+4\*3.5 SAS/SATA+1\*OCP 3.0)



## Product Features

### ☰ Critical Storage Applications

With 99% system availability, it provides ultra-large capacity local storage expansion capability. Boasting robust computing power, its proprietary tuning technology delivers industry-leading performance. Equipped with rich configurations, it supports standard PCIe slots as well as SAS, SATA, and NVMe drives.

### ⊗ High Reliability and Security

Delivering 50% higher heat dissipation efficiency compared with single heat sink solutions. Adopting remote heat pipe cooling technology, it ensures reliable thermal dissipation and superior temperature adaptability. Cutting system downtime by 69%, the proprietary AI-powered memory fault self-healing technology guarantees uninterrupted, stable system operation.

### ⊕ Efficient Energy Saving

Industry-leading power supply technology for higher efficiency, it delivers an industry-top power conversion rate, with power loss 12.5% lower than the industry average, cutting overall energy consumption by up to 8% versus standard industry solutions. Proprietary smart algorithms minimize power draw for fans and CPUs to further reduce energy use.

### ☞ Intelligent O&M

Delivering 30× 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.