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	Supports BCM 95 series RAID cards.
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

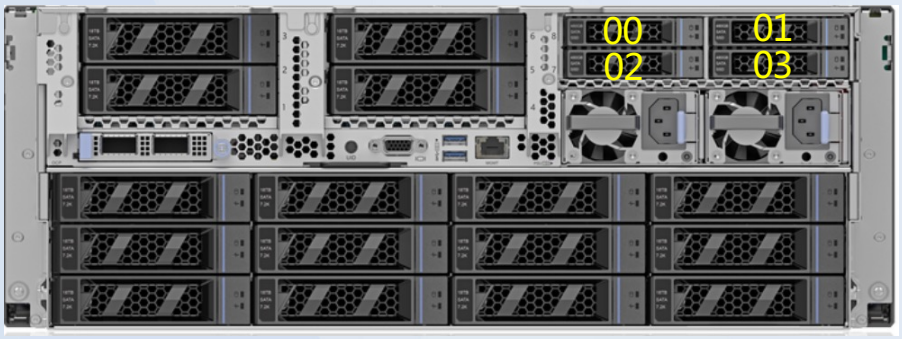


Front View



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.