

ASUS RS540-E8-RS36-ECP

Extremely High-Density 4U Storage Server



RS540-E8-RS36-ECP is a 4U rack server that offers diverse RAID storage, exceptionally-high storage density, an optimized user experience. Engineered premium components for premium efficiency, RS540-E8-RS36-ECP is an ideal choice for datacenters and other high-performance enterprise applications.

Mass storage and flexibility in 4U and additional OS Kernel Disk

RS540-E8-RS36-ECP is equipped with 36 SAS/SATA 3.5-inch disk drive bays (24 front + 12 rear), and 2.5" hot-swap HDD bays per enclosure. The hot-swappable design provides non-stop high availability, making short work of maintenance. RS540-E8-RS36-ECP also offers great freedom when it comes to the choice of operating system drive type and placement, with M.2 slot available, and two hot-swappable 2.5-inch SSD bays.

ASUS PIKE II & 12G SAS Integration

ASUS PIKE II offers the latest 12Gb/s SAS together with PCI-E 3.0 solution. While ASUS latest 12Gb/s SAS doubles the data rate running at twice the speed of the previous generation, PCI-E 3.0 offers high reliability and faster speed connection. ASUS PIKE II meets user needs with support for 6Gb/s SATA and 12Gb/s SAS storage and integrated RAID data protection. Just placing the PIKE II card can immediately enlarge the capacity, improve the performance, and strengthen the signaling.

3+1 expansion

RS540-E8-RS36-ECP has high expandability with 3+1 expansion ports in a configuration: that means one PCI-E Gen3x16 slot, one PCI-E Gen3x8 slot, plus one PCI-E Gen3x8 slot OCP Mezzanine card for OCP such as the OCP 10Gbit/s LAN card. This flexible expansion offers diverse applications in storage and networking to meeting the demands of future expansion.

User friendly design

The server also carries an asset tag for fast identification. RS540-E8-RS36-ECP also offers great freedom when it comes to the choice of operating system drive type and placement, with both M.2 slot for independent OS available.

Highlights

- Mass storage and flexibility in 4U and additional OS Kernel Disk
- ASUS PIKE II & 12G SAS Integration
- 3+1 expansion
- Premium components for premium efficiency
- Easy diagnostic and deployment



Specification

| | | |
|---|--|---|
| Processor Support | | 2 x Socket R3 (LGA 2011-3) |
| | | Intel® Xeon® Processor E5-2600 v4 / v3 Product Family (145W) |
| | | QPI 6.4 / 8.0 / 9.6 GT/s |
| Core Logic | | Intel® C612 PCH |
| Memory | Total Slots | 16 (4-channel per CPU, 8 DIMM per CPU) |
| | Capacity | Maximum up to 1024GB |
| | Memory Type | DDR4 2400/2133/1866/1600 RDIMM/LRDIMM *Refer to ASUS server AVL for the latest update |
| | Memory Size | 32GB, 16GB, 8GB, 4GB(RDIMM) 64GB, 32GB (LRDIMM) *Refer to ASUS server AVL for the latest update |
| Expansion Slots | Total PCI/PCI-X/PCI-E/PIKE Slots | 3 + 1 |
| | Slot Type | Low-profile 1 x PCI-E x16 (Gen3x 8 link), 2 x PCI-E x8 (Gen3 x8 link) 1 x OCP Mezzanine (Gen3 x8 link)* * Support for MCB-10G-2S (Dual Port 10 Gigabit/s Ethernet card) (optional) |
| Disk Controller | SATA Controller | <u>Intel® C612</u> 9 x SATA 6Gb/s ports (8 by 2 mini-SAS Connector) + 1 x M.2 connector Intel® RSTe (for Windows only; Support software RAID 0, 1, 10 & 5) |
| | SAS Controller | Optional kits: ASUS PIKE II 3008 8-port SAS HBA card ASUS PIKE II 3108 8-port SAS HW RAID card 12G SAS Support |
| Storage Bays | I = internal A or S will be hot-swappable | 36 x Hot-Swap 3.5"HDD Bays (BP w/Expander) 2 x Hot-Swap 2.5" SSD Bays (Rear) |
| Networking | LAN | 2 x Intel I210AT, 1 x Management Port |
| Graphic | VGA | Aspeed AST2400 32MB |
| Front I/O Ports | | 2 x USB 2.0 ports |
| Rear I/O Ports | | 1 x External Serial Port (COM Port), 2 x RJ-45 GbE LAN ports 1 x RJ-45 Mgmt LAN port 2 x USB 3.0 ports, 1 x VGA port 1 x PS/2 KB/Mouse port |
| Switch/LED | | Front Switch/LED: 1 x Power switch/LED, 1 x Location switch/LED 1 x Reset switch, 1 x HDD Access LED 1 x Message LED, LAN 1-4 LED * LAN3-4 for Mezzanine card use Rear Switch/LED: 1 x Q-Code/Port 80 LED |
| OS Support | | Windows® Server 2012 R2, Windows® Server 2012 Windows® Server 2008 R2 RedHat® Enterprise Linux SuSE® Linux Enterprise Server CentOS, Ubuntu Vmware, Citrix XenServer Please find the latest OS support from http://www.asus.com/ |
| Management Solution | Software | ASWM Enterprise |
| | Out of Band Remote Management | On-Board ASMB8-iKVM for KVM-over-IP |
| Regulatory Compliance | | BSMI, CE, C-TICK, FCC (ClassA) |
| Dimension | | 615mm x 444mm x 176mm (4U); 24.21" x 17.48" x 6.92" |
| Net Weight Kg (CPU, DRAM & HDD not included) | | 25.915 Kg |
| Gross Weight Kg (CPU, DRAM & HDD not included, Packing include) | | 34.95 Kg |
| Power Supply (following different configuration by region) | | 1+1 Redundant 800W 80 PLUS Platinum Power Supply Rating: 100-127Vac/200-240Vac,10A/5A ,50/60Hz, Class I |
| Environment | | Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing) |



The specifications and price are subject to change without prior notice 2016 ASUTeK Computer Inc. All rights reserved