

# S-2700 R4

## High-Reliability, Medium / High-Density Enterprise Computing System



UNICOM Engineering's S-2700 R4 offers high-reliability in a single CPU, 2U package. Combining the performance of a single Intel Xeon E5-2600/1600 v4 series Broadwell processor with redundant power and up to twelve 3.5" hot swap drives with integrated RAID, this platform offers the maximum reliability and uptime required for business critical applications. With six available expansion slots, the S-2700 R4 is designed to meet various expansion demands while maintaining a 2U form factor.

## Features and Benefits

### Built for Performance

- Supports a single Multi-core Intel Xeon E5-2600/1600 v4 Series Broadwell processor series for maximum performance and density
- Supports up to eight DDR4-2400 MT/s ECC DIMMs for faster application execution and greater overall stability
- Supports up to 12 SATA/SAS HDD/ SSD allow ideal customization to meet the storage needs of various applications

### Built for High-Reliability Applications

- Enterprise class SAS HDD/SSD drives and RAID ensure maximum reliability
- Hot swap hard drives and power supplies ensure low Mean-Time-To-Repair (MTTR)
- Redundant hot swap power supplies ensure high reliability in case of a failure

## AT A GLANCE

- Single 4-to-22 Core Intel Xeon E5-2600/1600 v4 Series Broadwell processors
- Intel C612 chipset
- Up to eight Dual In-Line Memory Modules (DIMMs) Double Data Rate 4 (DDR4) – 2400 MT/s
- Up to twelve 3.5" hot swap SATA/SAS HDD/SSD plus an optional two 2.5" SATA hot swap rear SSDs.
- Embedded SW-RAID technology for SATA RAID levels 0/1 for rear drives
- Six PCIe Gen3 slots
- Two 1 GbE LAN ports
- One dedicated IPMI LAN port
- Four USB 3.0/2.0 ports
- Redundant 920W AC power supply units

# S-2700 R4

## technical specifications



S-2700 R4 Rear View

### Form Factor

- 2U rack mount
- Black chassis

### Dimensions (HxWxD)

- 3.5" (89mm) x 17.2" (437mm) x 25.5" (648mm)

### Processor Support

- Support for one Intel Xeon E5-2600/1600 v4 series Broadwell Processors
- LGA 2011-3, Socket R3
- Maximum supported Thermal Design Power (TDP) of up to 145W

### Chipset

Intel C612 chipset

### Memory

- 8 DIMMs slots
- DDR4-2400 MT/s ECC Registered
- DIMM Sizes: 8 GB, 16 GB, 32 GB

### Storage Bay Options

- 12 x 3.5" SATA3/SAS3
- Optional two x 2.5" SATA3 hot swap rear drive bays

### Storage Options

- 2.5"/3.5" SAS/SATA HDD/SSD up to 12 Gb/s
- eUSB Solid State Device (SSD)
- SATA Disk-On-Module (DOM)
- PCIe Non-Volatile Memory Express (NVMe) SSD

### Riser Cards

- Support for two riser card slots, max six PCIe cards
- Riser #1: four x PCIe Gen3 x8 (x8 lanes) Full-Height Full-Length (FHFL)
- Riser #2: two x PCIe Gen3 x8 (x4 lanes) Low Profile (LP)

### Add-in PCIe Card Options

- 1 GbE, 10 GbE, 40 GbE NICs, Copper, Fiber, Bypass
- Entry / Enterprise RAID, battery backup
- SAS Host Bus Adapter (HBA), Internal, External

### Integrated RAID Support

Intel Embedded SATA SW-RAID support with RAID levels 0/1 for rear drives

### External I/O

- One x DB-15 VGA port - rear
- Two x RJ45 1 GbE LAN ports - rear
- One x RJ45 1 GbE Dedicated IPMI LAN port - rear
- Four x USB 2.0/3.0 ports - rear
- One x RS232 Serial Com port - rear

### Server Management

- Support for Intelligent Platform Management Interface v.2.0
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
- ASPEED AST2400 BMC with 10/100/1000 Mbps

### Security

Chassis intrusion detection

### System Fans

Three x 80mm 7K RPM chassis middle fan w/ housing

### Power Supply Options

Two x 920W hot swap redundant high-efficiency AC power supply, Platinum Level (94%+)

### OS Support

Windows Server 2008/2012, Linux CentOS 6 and 7

### Regulatory Approval

This device has not been authorized by the rules of the Federal Communications Commission (FCC).

### Expected Certifications:

- Nationally Recognized Testing Laboratory (NRTL) safety listing for US and Canada
- Federal Communications Commission (FCC) Part 15 Subpart B, Class A compliant
- Industry Canada (IC) ICES-003 Class A compliant
- European Union (EU) EMC, safety, RoHS, and REACH compliant
- Japan VCCI Class A compliant
- RCM mark for Australia and New Zealand

### Environment

#### Temperature:

- Operating temperature range: 10 to 35°C (50 to 95°F)
- Non-operating temperature range: -40 to 60°C (-40 to 140°F)

#### Humidity:

- Operating humidity range: 8 to 90% non-condensing
- Non-operating humidity range: 5 to 95% non-condensing

### Warranty

- Standard two-year warranty, return-to-factory
- Optional extended warranty and advance replacement service

**NOTE:** These specifications should be viewed as preliminary and final specifications may vary.

## Support and Maintenance Services

UNICOM Engineering offers a variety of support and maintenance service programs to ensure high availability, rapid response, effective troubleshooting, fast parts replacement and 24-hour support.

Please visit [www.unicomengineering.com/supportservices](http://www.unicomengineering.com/supportservices) for more information.

 [sales@unicomengineering.com](mailto:sales@unicomengineering.com)

 [unicomengineering.com](http://unicomengineering.com)

 [twitter.com/UNICOMEng](https://twitter.com/UNICOMEng)

 [facebook.com/UNICOMEng](https://facebook.com/UNICOMEng)

 +1 800.977.1010

 [linkedin.com/company/unicomengineering](https://linkedin.com/company/unicomengineering)