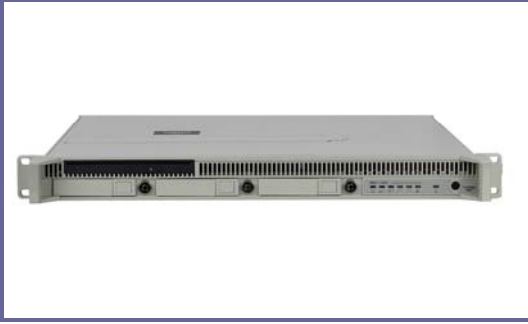


# Themis RES-11XR3 Rugged Enterprise Server



## Intel Four & Six Core Xeon 1U Server Shallow Depth Rackmount Design

Themis' RES-11XR3™ 1 Rack Unit (1RU) server combines the robust design of the Rugged Enterprise Server (RES) family with the latest 5500 and 5600 series Intel® Xeon® processors. The rugged RES-11XR3 reflects Themis' extensive expertise designing high performance systems for use in demanding environments. This new system combines the Intel four and six core Xeon processor with Themis' advanced thermal and mechanical design techniques to achieve I/O configuration flexibility and high reliability in shock and vibration environments of up to 35G.

The RES-11XR3 can be configured with one Intel Xeon 5500 or 5600 Series Processor. With a PCIe x16 expansion slot, multiple power supply and storage options, the RES-11XR3 allows users versatile configurability.

### RES-XR3 Family Features:

#### Mechanical

- Designed for High Reliability in harsh operating environments
- Rack-optimized design for unique user requirements
- Extensive use of specially coated aluminum for light weight and corrosion resistance.
- Stainless steel in selected areas to add strength and stiffness
- Modular design for easy upgrade and service
- Optional Rack-Mount Slides
- Airflow direction: Front to Rear
- Optional dust filter

#### Management and Operating System

- Suspend to RAM and Wake-on-LAN system management
- IPMI v2.0 support
- Linux® and Windows® Support

#### Environmental\*

- Operating Shock: 3 axis, 35G, 25ms
- Operating Vibration: 3.0 Grms, 8 Hz to 2000 Hz
- Operating Temperature: 0°C – Up to 55°C
- Humidity: up to 90% non-condensing
- MIL-STD-810G (Shock and Vibration)

\* Environmental specifications are configuration dependent.

#### Reliability

- Hot Swappable fans
- Power Supply Options (hot swappable):
  - Single or redundant 750 Watt 110/220 VAC, (50/60Hz, 400Hz)
  - Single or redundant 500 Watt 18-36 VDC, 32 Amp
  - Single or redundant 650 Watt 36-72 VDC 18 Amp
- Hot Swappable Disk Drives

### RES-11XR3 Specifications:

- One 5500 or 5600 Series Intel Xeon Processor
- Up to 24GB DDR3 ECC memory
- RES-11XR3 Dimensions (HWD): 1RU x 17.07"x 17"  
(45 mm x 433.6mm x 431.8mm)
- Front panel I/O:
  - Up to Three (3) Removable 2.5" SATA or SAS disk drives
  - CD-RW/DVD-RW drive
  - Status LEDs, power switch
- Expansion
  - One (1) PCI-E 2.0 x16 Slot

- Rear panel access and I/O\*:
  - Up to four (4) Gigabit Ethernet Ports (RJ45)
  - One (1) or two (2) RS-232 Serial Ports (DB9)
  - PS/2 Keyboard and Mouse Ports
  - Two (2) USB 2.0 Ports
  - Power connector
  - One (1) VGA port

\* Rear panel I/O may vary with configuration

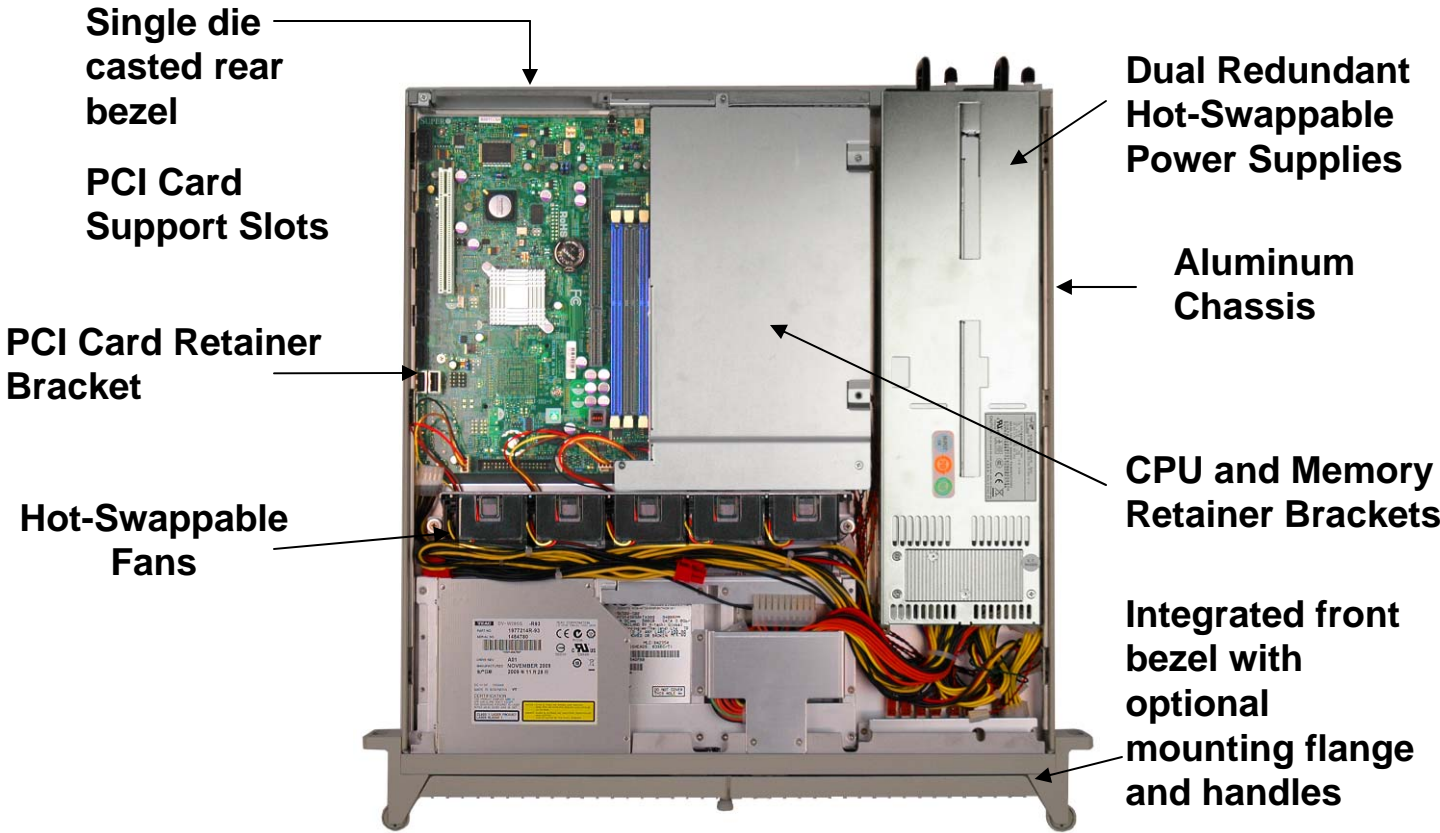
Contact your Themis sales representation for other Expansion and I/O options.



# RES-11XR3



RES-11XR3 shown with optional front panel dust filters



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