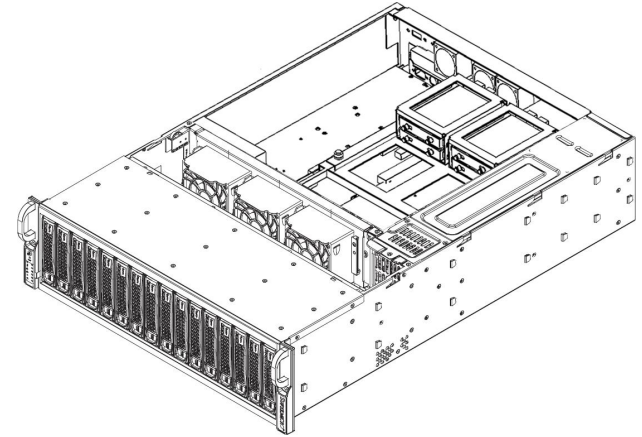
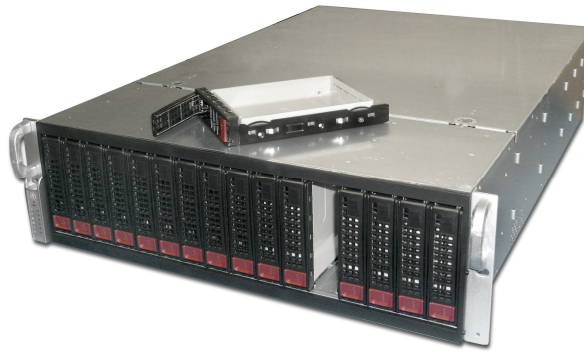


NEXTSERVER Evo



The Next Evolution of High-Performance Data Streaming Rackmount Computing

The NextServer Evo from NextComputing offers the most extreme performance and storage density in a small 3U rackmount form factor. The system's FleXtreme modular architecture provides end users and OEMs with the exact solution they need and the expandability to meet future expectations. FleXtreme is the powerful architecture found in many of NextComputing's different platforms such as the NextDimension and Vigor series.

- Modular processing system allows for easy changes and upgrades with up to (2) Quad-Core or Six-Core Intel® Xeon® processors
- Leverage up to 96GB of RAM

- Utilize up to (16) front-access removable hard drives to 3TB each, and up to multiple fixed internal drives to 1TB each
- Accelerate and secure your data with onboard or PCI-based RAID 0 / 1 / 0+1 / 5 controllers
- Increase your capabilities with (4) full-length expansion slots for single or dual width PCI Express and PCI-X cards
- Run multiple 32- and 64-bit operating systems with dual-boot or virtual concurrent use environments



Processing Options

(1) or (2) Intel® Xeon® Processors

- L5410 Quad-Core 2.33GHz
- L5630 Quad-Core 2.13GHz
- L5640 Six-Core 2.26GHz

(Note: All processor modules are upgradeable)

Memory

Using single or dual Intel Xeon 5400 series:

- Up to 32GB ECC RAM

Using Intel Xeon 5600 series

- Single processor: up to 24GB ECC RAM
- Dual processor: up to 96GB ECC RAM

Base Graphics

- Optional ATI E2400 MXM-II graphics with 256MB VRAM
- Support for PCI Express graphics cards up to full length, dual-width

PCI Expansion Midplane Options

4-slot Midplane Options

- **Option 1:** (2) PCI Express 8x (16x mechanical) slots and (2) PCI-X 64-bit slots
- **Option 2:** (1) PCI Express 16x slot and (3) PCI-X 64-bit slots
- **Option 3:** (1) PCI-X 64-bit slot, plus (1) single-width and (1) dual width PCI Express 8x (16x mechanical) slots (AMD only),
or
(1) PCI-X 64-bit slot, plus (3) PCI Express 8x/4x/8x slots (Intel only)

2-slot Midplane Options (for special HDD configs)

- **Option 1:** (1) PCI Express 16x full length slot and (1) PCI-X 64-bit full length slot
- **Option 2:** (2) PCI-X 64-bit full length slots
- **Option 3:** (2) PCI Express 8x (16x mechanical) slots
- **Option 4:** (1) 5V PCI 32-bit (legacy) and

Rear I/O

- (2) Gigabit-Ethernet ports
- (4) USB 2.0 ports
- (1) DVI-Digital port
- Firewire 1394a, 400Mbps, 3-port Physical Layer
- Audio line-in / line-out / mic-in (AC97)
- Optional (2) external SATA ports and (2) RS-232 ports (with optional external RS-422/485 adaptor)
 - or- (4) external SATA ports
 - or- (2) multi-lane SAS Quad ports

Storage

- Up to **(16)** front-access removable 3.5" HH drives available with RAID 0/1/5/10
 - 450GB 15K RPM SAS drives
 - 3TB 7200RPM SATA drives
- Additionally, up to **(4)** quick-time removable drives (no tools required) and up to **(13)** internal fixed 2.5" drives available with RAID 0/1/5
 - 6G SATA drives up to 1TB/7200 RPM
 - 6G SAS drives in multiple speeds and capacities
 - Solid state drives 6G 256GB -or- 3G 600GB
- On-board LSI Logic RAID 0 / 1 / 0+1 SATA controller with up to (8) ports plus on-board SATA controller with up to (6) ports
- Support for PCI-based RAID controllers

Power Sub-System

900W (1 + 1) Redundant AC 100 - 240V, 60-50Hz power supply w/ PFC

Regulatory (Power Supply) Power Supply Safety / EMC USA - UL listed, FCC Canada - CUL listed Germany - TUV Certified Europe/CE Mark EN 60950/IEC 60950-Compliant CCC Certified CB Report Ready



Operating System Support (32- and 64-bit)

- Microsoft Windows including: Windows XP, Windows 7, Windows Server 2003, 2008
- Linux distributions including: SuSe, Red Hat, Fedora, CentOS
- Solaris 10 x86 (64-bit only)
- Dual boot environments and virtualization with VMware (including ESXi), VirtualBox, or Xen

Environmental

Operating:

- 5°C–45°C, 41°F–113°F (16GB RAM)
- 5°C–40°C / 41°F–104°F (24GB RAM)
- Relative humidity (5-95%) non-condensing

Non-Operating:

- -40°C–65°C, -40°F–149°F
- Relative humidity (5-95%) non-condensing

Regulations

- FCC Class A, and CE. TUV (pending certification)

OEM and Project/Program Options

- Configuration Control
- BIOS customization
- Longevity of Supply
- Private label options
- Customer PCI/PCIe card and application integration
- Ruggedization Options

Physical

- 3U Server: Height 5.2" (132mm), Width 17.2" (450mm), Depth 25.5" (648mm)
- Gross Weight ~82 lbs (37.2 kg)
- Optional RackMount Slides
- Optional Operational Rugged Transit Case (pictured)

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