



NEXTDIMENSION *EVO PLUS*

Maximum Portable Storage and PCI Expansion For Your Most Intensive Applications

What keeps you from running your demanding applications outside the office?

- You've never considered a portable system because none have ever provided the performance or features that you need
- You require more storage, PCI-based I/O or higher-end graphics than have ever been available in a portable
- You've gotten work done at remote locations, but only by chugging along with a crippled version of your application on a laptop or going through the hassle of shipping your server or workstation

The NextDimension Evo Plus portable workstation/server offers a solution for all of these computing challenges.

The Evo Plus offers the most storage and PCI Express expansion of any portable system. Featuring dual server-class processors, up to 48GB of memory, multiple TB of internal storage, and flexible PCI expansion options, this system lets you run your most intensive applications anywhere you go.

Open up new business opportunities for remote applications like recording and analyzing high-bandwidth network traffic, capture and playback of high-resolution uncompressed video, managing large databases, and other heavy computing tasks that were previously confined to large workstations and rackmount servers.

- ⇒ Up to (6) PCI Express x16 and PCI-X expansion slots
- ⇒ Up to (25) internal hard drives with RAID capabilities
- ⇒ (1) or (2) Quad-Core or Six-Core Intel Xeon processors
- ⇒ Up to 96GB low profile memory
- ⇒ Swappable SATA or SAS hard drives; no tools required
- ⇒ 32- and 64-bit operating systems with dual-boot or VMWare options

Processor Options

(1) or (2) Intel® Xeon® Processors

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

Memory

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

Display

- Integrated 17" WUXGA+ (1920x1200) LCD
- Supports additional external displays including NextComputing's specially designed clip-on displays with resolutions to 1920x1200
- Optional capacitive touchscreen (1920x1200)
- Screenless version available

Graphics

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

I/O

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

Optical Drive

- Internal DVD R/RW or Blu-Ray R/RE

Input Devices

- Support for external USB keyboard and mouse
- Optional secure wireless keyboard and mouse available

PCI Expansion

6-slot Midplane

- 4 slots in PCI bay, 2 slot in processor bay
- PCI Express, PCI-X, or combinations

4-slot Midplane

- 3 slots in PCI bay, 1 slot in processor bay
- PCI Express, PCI-X, or combinations

2-slot Midplane

- PCI Express, PCI-X, or combination

Note: PCI Express slots on 5500/5600 series-based systems will be PCIe 2.0

Storage Capacities / Features

- SATA: up to 1TB each
- SAS: up to 1.2TB each
- Solid State Drives: up to 960GB each
- Encryption options available

Removable Storage

Up to (4) removable and bootable SATA, SAS or Solid State drives

Fixed Internal Storage

Lower PCI bay houses up to:

- (12) 6G SATA or SAS drives
- Or (16) Solid State drives

Processor bay houses up to

- (3) 6G SATA or SAS drives
- Or (9) Solid State drives

Note: Configurations are limited by length of PCI cards and midplane used. RAID 5 functionality or drives not supported by onboard controller require PCI-based controller

RAID Options

- On-board LSI RAID 0 / 1 / 0+1 SATA/SAS controller with up to (8) ports plus on-board SATA controller with up to (6) ports
- Optional PCIe-based RAID controllers up to 6G speeds

Operating System Support (32-/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

Power Supply Options

- 460W or 700W internal 110/220V 50/60Hz auto-switching 80 PLUS rated power supply
- Internal 460W/24V DC nominal (19V-36V DC range) power supply
- 420W external adapter—AC/DC switching w/ 20V DC output (for use with internal 460W DC power supply)

Environmental

- Relative humidity (5-95%) non-condensing

Operating:

- 5°C–45°C, 41°F–113°F (16GB RAM)
- 5°C–40°C / 41°F–104°F (24GB RAM)
- 5°C–35°C / 41°F–95°F (32GB RAM)
- 5°C–30°C / 41°F–86°F (48GB RAM)

Non-Operating:

- -40°C–65°C, -40°F–149°F

Regulations

- FCC Class A, and CE. Certified TUV

Physical

- 6.69" (D) x 11.44" (H) x 16.8" (W)
- Basic configuration ~ 20 lbs

Carrying Case

Optional hardened cases and rolling transit cases available. Optional rack-mount kit.

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Rev 1.5 - 10/13