NEXT COMPUTING

NEXTDIMENSION PRO

The Power of a Workstation/Server in a Small, Mobile Form Factor

The NextDimension Pro is a "flextop"— a portable workstation and server designed with the high-performance mobile professional in mind. With desktop-level performance, but laptop-level portability, the NextDimension Pro offers the best of both worlds.

By packaging advanced enterprise-class computing in a small, attractive case, the NextDimension Pro is the most powerful package of its type: incredibly small and exceedingly efficient.

Depending on your configuration requirements, the NextDimension Pro can provide the server-level processing speeds needed for analyzing 1G and 10G network traffic in globally disbursed datacenters, the high-end graphics power required to demonstrate 3D imaging applications in a client's boardroom, or the I/O necessary to capture and stream live HD video.

- ➲ 1 or 2 Six-Core or Quad-Core Intel Xeon processors

- ➲ Up to 96GB low profile memory

- ➲ Swappable SATA or SAS hard drives; no tools required

- ➲ Multiple PCI Express x16 and PCI-X expansion slots

- ➲ 32- and 64-bit operating systems with dual-boot or VMWare options

4.3"

16.7"

12.4"

Processor Options

(1) or (2) Intel® Xeon® Processors

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

Memory

- Single processor: up to 24GB DDR3 ECC RAM
- Dual processor: up to 96GB DDR3 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
- 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

PCI Expansion Options

- (1) PCI-X 64-Bit/133MHz full length slot and (1) PCI Express 16x full length slot **-or-**
- (2) PCI-X full length slots **-or-**
- (2) PCI Express 8x (16x mechanical) slots **-or-**
- (1) 5V PCI and (1) PCI Express 16x

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 (2) removable and bootable SATA or SAS drives

Fixed Internal Storage

Lower PCI bay houses up to

- (4) 6G SATA or SAS drives
- Or (6) Solid State drives

Note: Configurations limited by length of PCI cards 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

Input Devices

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

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 Sub-System Options

- 460W 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

- 4.3" (D) x 12.4" (H) x 16.7" (W)
- Basic configuration ~ 20 lbs

Carrying Case

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