

# NEXTDIMENSION Pro



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

The NextDimension Pro is the differentiator...

## Flextop Computing:

- Small footprint, extreme performance
- Advanced throughput design
- Open-standards architecture
- Modular processing architecture
- Full multi-OS support



## Harness the Power:

- Dual-Core or Quad-Core Intel® Xeon® processors



- Specialized, low profile memory
- Scalable storage configurations
- PCI Express 16x and PCI-X (64-bit)



...that will set you apart from the competition.

# NEXTDIMENSION PRO

## Modular Processing Options

Xeon LV 5148 with LGA 771 socket:

- (1) or (2) Dual-Core Intel® Xeon® processors 2.33GHz, 4MB L2 cache, 1066MHz FSB, 40W

Xeon LV 5320 with LGA 771 socket:

- (1) or (2) Quad-Core Intel® Xeon® processors to 2.0GHz, 8MB L2 cache, 1066MHz FSB, 50W

## Memory

Up to 16GB via (4) DMA channels

## Display Options

Supports external displays to 1920x1200 resolution

## Graphics

- On-board ATI X300 PCI Express graphics controller with 64MB VRAM with dual channel interface
- Multiple PCI Express graphics options from NVIDIA and ATI

## Standard Interfaces

- (2) Gigabit-Ethernet ports
- (4) USB 2.0 ports
- (1) DVI port for dual-head display
- 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

## PCI Expansion

- (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

## Storage Disks and Media Bays

- Single or dual hot-swappable and bootable 2.5" 100 / 120 / 160 / 200GB 7200RPM SATA HDDs
- On-board LSI Logic RAID 0 / 1 / 0+1 SATA controller with up to (8) ports
- On-board SATA controller with up to (6) ports
- Internal DVD R/RW (ODD drive can be replaced by up to (2) SATA or IDE 2.5" HDDs)



## Optional External Disk Drives

- NextDisk direct attached storage
- Mini SATA HDDs to 160GB

## Additional Internal HDD Configurations

- PCI bay houses up to **(6)** 2.5" SATA drives (up to 200GB 7200RPM each) **or** **(1)** 3.5" SATA drive (7200 RPM to 750GB)
- Factory configured NextPak mass storage slice with up to **(5)** 2.5" SATA HDDs

*(Configurations limited by length of PCI cards used. RAID 5 functionality or drives not supported by onboard controller require PCI-based HDD controller)*

## Input Device

- Support for external USB PC keyboard and external mouse or external USB KVM
- Wireless via external wireless keyboard hub

## Operating Systems Support (32- and 64-bit)

### Server OSs:

- SuSe Enterprise Linux
- Red Hat Enterprise Linux
- Microsoft Windows 2003 Server
- Solaris 10 x86 (64-bit only)

### Workstation OSs:

- Microsoft Windows XP Professional
- SuSe Desktop Linux
- Fedora Core Desktop
- Solaris 10 x86 (64-bit only)
- Dual boot environments and Win-UX with VMware or Xen, allowing concurrent use Linux and Windows, available for both servers and workstations

## Power Sub-System

400W—110/220V 50/60Hz switching power supply

## Environmental

**Operating:** 5°C–50°C, 41°F–131°F, 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. Certified TUV.

## Physical

- 4.44" (D) x 11.44" (H) x 16.8" (W)
- Basic configuration ~ <13.5–19.5 lbs

## Carrying Case

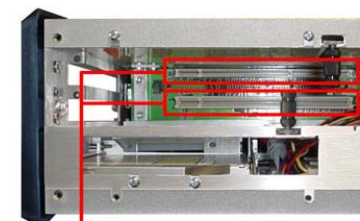
Includes soft carrying case. Optional hardened cases and rack-mount kits available



## Optional PCI Expansion Chassis

Expansion chassis features (2) USB 2.0 ports, (2) PS/2 mouse ports, (1) serial port, and dual-head support

- Basic: 2-slot 32-bit/33MHz
- NextBox 32: 4-slot 32-bit/33MHz 13.1"W x 3.5"H x 16.4"D approximately 9 lbs
- NextBox 64: 7-slot 64-bit/66MHz 19"W x 7"H x 17.7"D approximately 24 lbs



**EASY ACCESS  
PCI-X / PCI EXPRESS SLOTS**