



**Single- and Dual-Core AMD Opteron™ - PCI Express®  
32- and 64-Bit Enterprise Windows, Linux, and Solaris 10**



Expand functionality with hot-swappable internal HDDs to 160GB each

Maximize your storage serving capabilities with Gigabit Ethernet, serial ATA, USB 2.0, and fibre channel I/O options

Operate anywhere with this rugged aluminum alloy case; light weight, thin profile, and hard anodizing surface: MIL-A-8625E Type II/III

Take-it-and-go with an innovative briefcase design and flip-down keyboard

Support multiple missions with virtualized or dual boot OS environments and reconfigurable computing architecture

Enhance your visualization power with expansion options such as dual PCI Express graphics cards from NVIDIA and PNY



# VIGOR OPTERON



## Modular Processing Sub-System

AMD Opteron™ 940 Processors:

- (1) or (2) single-core processors to 2.2GHz
- (1) or (2) dual-core processors to 2.2GHz

AMD Opteron™ 1207 Processors:

- (1) or (2) dual-core processors to 2.4GHz

## Memory

Single Processor: Up to 8GB DDRAM

Dual Processor: Up to 16GB DDRAM

AMD Opteron 1207 Processors: Up to 24GB DDRAM

## Display

- Integrated 15-inch TFT 1600x1200 LCD
- Quick disconnect to support single or dual external 1920x1200 flat panel displays

## Graphics

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

## Standard Interfaces

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

(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

## PCI Expansion

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

## Internal Disk and Media Bay Options

- Up to (5) internal media bays available
- Single or dual removable and bootable 2.5" 100 / 120 / 160GB SATA HDDs
- Internal DVD-R/RW

## Input Device

3-button touch pad with full function keyboard.  
Support for external USB PC keyboard and mouse or external KVM

## Operating Systems

### Server OSs:

- 32- or 64-bit SuSe Enterprise Linux
- Red Hat Enterprise Linux
- Microsoft Windows 2003 Server
- Solaris 10 64-bit and Trusted Solaris x86

### Workstation OSs:

- 32- and 64-bit Windows XP Pro
- 32- or 64-bit SuSe Desktop Linux
- Fedora Core Linux
- Solaris x86 and Solaris 10

Dual boot environments and Win-UX with VMware, allowing concurrent use Linux and Windows, available for both servers and workstations

## Battery

Optional external AC 110/220V UPS/DC power pack:  
15 minutes depending on configuration and use

## Power Sub-System and External UPS

- 110/220V 50-60Hz switching power supply
- 350W power supply

## Environmental (designed to meet only)

- Operating: 5°C-50°C, 41°F-131°F, relative humidity (5-95%) non-condensing, Shock: (half-sine wave) 200Gs/2ms, Vibration: (sine-wave) 1G (5-500Hz)
- Non-Operating: -40°C-65°C, -40°F-149°F, relative humidity (5-95%) non-condensing, Shock: (half-sine wave) 200Gs/2ms, Vibration: (sine-wave) 5G (22-500Hz)

## Regulations

FCC Class A and CE. Certified TUV

## Dimensions

5.6" (D) x 11.1"(H) x 16.6"(W),  
(14.2cm x 28.2cm x 42.2cm)  
very low profile ultra thin depth behind LCD display,  
desktop replacement, notebook-style front view

## Weight

Weight ~ 17-23 lbs

## Carrying Case

Includes soft carrying case. Optional hardened cases and/or rack-mount kit available upon request, including MIL-STD-2073



## Optional I/O

- PCI Based USB 2.0 ports
- PCI Based GbE ports
- Dual fibre channel
- Single or dual Ultra160 SCSI
- USB DVD/CDRW and HDDs to 500GB
- NextBox 32: 4-slot 32-bit/33MHz PCI expansion chassis, 13.1" W x 3.5" H x 16.4" D—weighs approximately 9 lbs
- NextBox 64: 7-slot 64-bit/66MHz PCI expansion chassis, 19" W x 7" H x 17.7" D—weighs approximately 24 lbs

