VIGOR EVO PLUS

Open New Frontiers for
High-Performance Computing in the Field

Consider the rack-mount server that you have to transport in the field. The bulk and related equipment makes relocation a hassle. Also, the system, monitors, and extra equipment all need to be treated delicately to avoid damage, and components are susceptible to dust or sand.

Now, consider the same process with the Vigor Evo Plus. Attach the protective screen cover, close the side I/O filters, and lift the all-in-one system by the handle. No need to worry about dust, sand, bumps, or scrapes with the rugged design. You're able to quickly pack up and go.

For mission-critical applications such as UAV ground stations, intelligence gathering and analysis, and video forensics, you now have hardware choices beyond cases of bulky, server equipment.

The Vigor Evo Plus not only offers this kind of portability, ruggedness, and peace of mind, but also performance and expandability unheard of in a mobile system.

What further distinguishes the Vigor Evo Plus is its capability for up to 6 PCI Express and PCI-X slots and multiple TB of internal storage. Add to this dual server-class quad-core processors and up to 96GB of memory and you have an extreme-performance rugged computing solution to meet your needs both now and in the future.

- ➲ **Utilize up to 6 PCI Express and PCI-X slots**

- ➲ **Multiple TB of fixed and removable internal storage**

- ➲ **Replace racks of equipment with a single, compact system**

- ➲ **Easily transport your server setup from location to location**

- ➲ **Available with up to 3 high-resolution displays, or screenless for embedded applications**

VIGOR EVO PLUS

Modular Processing Options

(1) or (2) Intel® Xeon® Processors

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

Memory

- Up to 96GB RAM (ECC)

Display

- Integrated 17" WUXGA+ (1920x1200) LCD with hard coated replaceable overlay
- Up to 2 additional WUXGA+ fold-out displays—folds together for protection of screens and easy transportation
- Optional high-resolution capacitive touchscreen
- Screenless version available
- Support for external displays

Graphics

- Optional ATI E2400 MXM-II graphics with 256MB VRAM
- Support for PCI Express graphics cards

I/O

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

Optical Drive

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

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 or SAS drives

Fixed Internal Storage

Lower PCI bay houses up to:

- (10) 6G SATA or SAS drives
- Or (13) Solid State drives

Processor bay houses up to

- (2) 6G SATA or SAS drives
- Or (8) 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 RAID 0 / 1 / 0+1 SAS/SATA controller with up to (8) ports plus on-board SAS/SATA controller with up to (6) ports
- Optional 6G SAS/SATA RAID controller (8) or (16) ports. Support for 600GB/10K RPM SAS, 147GB/15K RPM SAS, or 500GB/7200RPM SATA

Input Devices

- Support for external USB keyboard and mouse
- Optional wireless keyboard and mouse available via external hub

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
- 460W/24V DC nominal (19V-36V DC range) power supply
- 300W external—AC/DC switching w/ 20V DC output

Environmental

- Operating temp: 0°C–40°C, 32°F–104°F
- Non-operating temp: -40°C–65°C, -40°F–149°F
- Relative humidity: (5-95%) non-condensing
- Shock: Mechanical shock: ≤10g, 11ms, Terminal sawtooth, operating; Transit shock: 18" drop
- Vibration: ≤0.04g2/Hz, 20Hz–1,000Hz; -6dB/octive 1,000Hz–2,000Hz

Regulations & Physical Dimensions

- FCC Class A, and CE. Certified TUV
- 8.75" (D) x 15.06" (H) x 19.75" (W)
- Basic configuration ~ <30 lbs

Carrying Case

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

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