



# VIGOR EVO

## Rugged, All-In-One Portable Server and Visualization Workstation

Mission-critical applications such as battlefield visualization and targeting, high-speed data acquisition, and image processing all require performance well beyond a laptop, yet size, weight, and power (SWaP) concerns make large rackmount servers impractical.

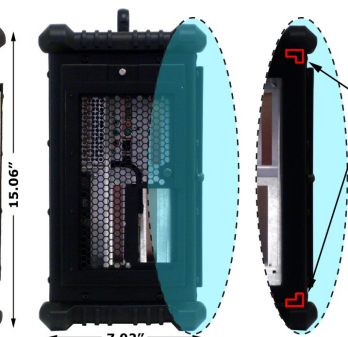
The Vigor Evo is a rugged portable computer that provides true server and workstation performance in a field-ready, durable chassis for running demanding applications in challenging conditions.

The Vigor Evo is based on NextComputing's high-performance, FlexTreme architecture, providing extreme-performance computing in a small package. The system can be customized for your requirements today, and easily upgraded as technology evolves.

Weighing under 35lbs fully configured, it can easily be transported anywhere by a single person with its built-in handle and optional shoulder strap.



19.75"



7.92"

Rubber shock absorbers surround the internal chassis, protecting it from excessive shock and vibration

Built to withstand a fall from 18"

- Run demanding applications in the field with minimal hardware
- Replace racks of equipment with a single, compact system
- Easily transport your server setup from location to location
- Rely on NextComputing to support your programs for years to come

# VIGOR EVO

## Processor Options

### (1) or (2) Intel® Xeon® Processors

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

## Memory

- Up to 96GB DDR SDRAM

## Display Options

- 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
- Support for external displays
- Optional high-resolution capacitive touchscreen

## Graphics

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

## 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

## PCI Expansion

### 4-slot Midplane Options

- Option 1: (2) PCI Express (PCIe) x8 (x16 mechanical), and (2) PCI-X 64-bit/100MHz
- Option 2: (1) PCIe x16, (3) PCI-X 64-bit/66MHz
- Option 3: (3) PCIe x8/x4/x8 (x16 mechanical) slots and (1) PCI-X slot

### 2-slot Midplane Options

- Option 1: (1) PCIe x16 full length and (1) PCI-X 64-bit/133MHz full length slots
- Option 2: (2) PCI-X full length slots
- Option 3: (2) PCIe x8 (x16 mechanical)
- Option 4: (1) 5V PCI and (1) PCIe x16

## 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:

- (6) 6G SATA or SAS drives
- Or (8) Solid State drives

### Processor bay houses up to

- (2) 6G SATA or SAS drives
- Or (4) 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 Logic RAID 0 / 1 / 0+1 SATA controller with up to (8) ports plus on-board SATA controller with up to (6) ports
- Optional 6G RAID controller (8) or (16) ports

## Operating System Support (32- and 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: ≤0.04g<sup>2</sup>/Hz, 20Hz–1,000Hz; -6dB/octive 1,000Hz–2,000Hz

## Regulations

- FCC Class A, and CE. Certified TUV

## Physical

- 7.92" (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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