

Model R2200 PC Blade

Dual Xeon Processors for Unparalleled Workstation Performance

Featuring dual Intel® Xeon® processors with Hyper-Threading Technology, DDR2 memory and NVIDIA® PCI-Express graphics, ClearCube Model R2200 PC Blades have the power and speed to satisfy even the most demanding workstation requirements. Dual integrated gigabit Ethernet controllers ensure rapid, reliable access to network stored data while hardware based RAID capability makes disaster recovery foolproof. ClearCube employs advanced thermal designs and cooling methods to deliver Intel's latest, high-performance Xeon processors in a blade form factor. Since the ClearCube architecture centralizes the processors, users get full workstation performance without heat generation, fan noise or clutter at the desktop.



For applications demanding advanced graphics and/or multiple desktops, ClearCube offers a Multi-Video Solution. The R2200 Blade comes with quad capable video card based on the NVIDIA Quadro4 NVS graphics processor. When coupled with the Multi-Video eXpander accessory at the desktop, the R2200 can drive up to four analog or digital monitors at resolutions up to 1280x1024.

Specifications:

- General:** Intel E7525 chipset with 800 MHz FSB
Dual 10/100/1000 Ethernet ports
Phoenix BIOS supports PXE and Phoenix Phlash
Local USB 2.0 port on Blade front
Enables USB 2.0 port on back of R4300 chassis (requires 44-pin interposer)¹
- Components:** NVIDIA Quadro NVS285 PCI-Express Graphics with 128 MB VRAM²
Dual Intel Xeon processors with Hyper-Threading
Single or dual SATA II hard drives (Dual configurations support RAID 0&1)
Dual-channel, DDR2-400, ECC, Registered Memory
Microsoft® Windows® XP Pro, 2000 Pro or Linux Ready
See Ordering Information Below for Available Configurations
- Power Supply:** 305 W
- Dimensions:** 4.7" H x 23.5" D x 4.1" W (11.9 cm x 59.7 cm x 10.3 cm)
Four (4) Blades fit in single Cage (standard 19" rack width)
- Weight:** 9 lbs. (4.1 kg)
- Environment:** Stationary office installation, 0 to 35° C

¹ Blade must be ordered with a 44-pin interposer to enable the USB 2.0 port provided on the rear of each R4300 chassis

² Multi-video capable when combined with ClearCube Multi-Video eXpander (MVX)

Ordering Information

Use the following part numbers to order your R2200 PC Blade:

G091049 – Model R2200 PC Blade

Video (Required)

G010078 – NVIDIA Quadro4 PCI-Express Graphics Card (Multi-video capable)

Processor (Required – each Blade must be ordered with two (2) matched speed processors)

G932220-320 – 3.20 GHz Xeon, 800 MHz FSB, 2 MB Cache

G932220-380 – 3.80 GHz Xeon, 800 MHz FSB, 2 MB Cache*

*Not available in countries with 100 V power supplies

Hard Disk Drive (Required – One (1) HDD required per Blade; Dual HDD configuration available – specify capacity for Pri. & Sec.)

G910022-080 – 80 GB, 7200 RPM SATA II HDD

G910022-120 – 120 GB, 7200 RPM SATA II HDD

Memory Modules (Required – Blade contains four (4) DIMM slots – Memory must be ordered in matching pairs)*

G920006-256 – 256 MB DDR2-400, Registered, ECC SDRAM

G920006-512 – 512 MB DDR2-400, Registered, ECC SDRAM

G920006-1000 – 1 GB DDR2-400, Registered, ECC SDRAM

Operating System (Required)

G053052 – Windows XP Professional SP2 English (32-bit)

G053056 – Windows XP Professional SP1a English (32-bit)

G053057 – Windows XP Professional SP2 Japanese (32-bit)

G053054 – Windows 2000 SP4 Professional English (32-bit)

G053030 – No OS Installed, Linux Ready

Chassis Interposer (Required)

G081091 – 30-pin Chassis Interposer

G081092 – 44-pin Chassis Interposer (enables USB 2.0 port on back of R4300 Chassis)

* Blades can be ordered with four (4) GB of physical memory, however due to a limitation imposed by 32-bit versions of Microsoft Windows memory usage by the operating system is limited to three (3) GB.