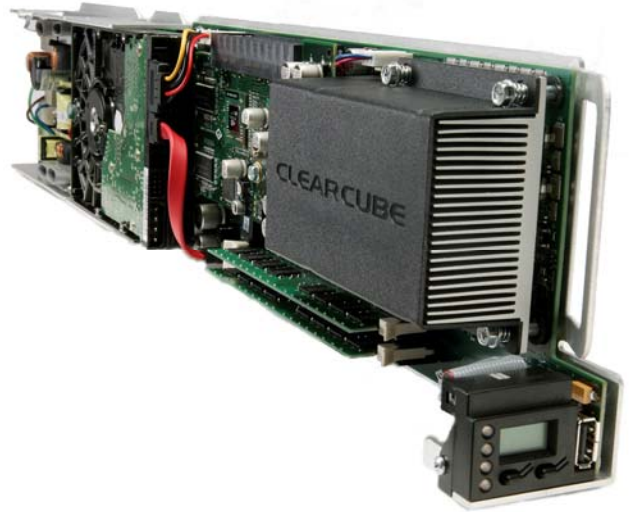


Model R1300 PC Blade

Dual Core Processing Power in a Blade Form Factor

Featuring genuine Intel® Core™ 2 Duo processors, DDR2-667 memory and PCI-Express graphics, ClearCube Model R1300 PC Blades are the highest performance blade computers available today. ClearCube employs advanced thermal designs and cooling methods to deliver Intel's latest desktop processors in a blade computer format. Individual Blade cooling fans combined with high volume cage fans provide ample cooling, and since the ClearCube architecture centralizes the processors, users get full Core 2 Duo performance without heat generation or fan noise at the desktop.

ClearCube offers a Multi-Video Solution for applications demanding advanced graphics and multiple displays. This option utilizes a special, quad capable, PCI-Express video adapter based on the NVIDIA Quadro® NVS graphics processor. The video adapter is an interchangeable mezzanine card that can be upgraded if needed. The ClearView video driver, based on NVIDIA's award winning nView software, provides the graphical interface for setting up and configuring the displays. The Multi-Video Solution can support standard analog input monitors and the newer digital input monitors at resolutions up to 1280x1024.



Specifications:

General: Intel 945G chipset with 1066 MHz system bus
Dual Ethernet ports (Primary 10/100/1000 Mb/s, Secondary 10/100 Mb/s)
Phoenix BIOS supports PXE and Phoenix Phlash
Local USB 2.0 port on Blade front panel
Enables USB 2.0 port on back of R4300 chassis (requires 44-pin interposer)

Components: Integrated Intel GMA 950 Graphics
Optional NVIDIA Quadro NVS285 PCI-Express Graphics Card with 128 MB VRAM¹
Intel Core 2 Duo or Pentium 4 Processor²
SATA hard drive
Dual-channel, DDR2-667, Non-Registered, Non-ECC Memory
Microsoft® Windows® XP Professional or Linux Ready
Microsoft Vista™ capable

See Ordering Information Below for Available Configurations

Power Supply: 205 W

Dimensions: 4.7" H x 23.5" D x 1.9" W (11.9 cm x 59.7 cm x 4.8 cm)
Eight (8) Blades fit in single Cage (standard 19" rack width)

Weight: 6 lbs. (2.7 kg)

Environment: Stationary office installation, 0 to 35° C

¹Multi-video capable when combined with ClearCube Multi-Video eXpander (MVX)

²Core 2 Duo processor bus speed is 1066 MHz. Pentium 4 processor system bus speed is 800 MHz;
Pentium 4 processors feature Intel Hyper-Threading technology

Ordering Information

Use the following part numbers to order your R1300 PC Blade:

G0900002 – Model R1300 PC Blade with 44-pin chassis interposer

Video (Optional)

G091166 – NVIDIA Quadro4 PCI-Express Graphics Upgrade Kit (Multi-video capable, installed separately)

Processor (Required)

G932133-300 – Pentium 4 631 (single core), 3.00 GHz, 800 MHz FSB, 2 MB L2 Cache, Hyper-Threading Capable

G932133-360 – Pentium 4 661 (single core), 3.60 GHz, 800 MHz FSB, 2 MB L2 Cache, Hyper-Threading Capable

G932136-186 – Core 2 Duo E6300 (dual core), 1.86 GHz, 1066 MHz FSB, 2 MB L2 Cache

G932136-240 – Core 2 Duo E6600 (dual core), 2.40 GHz, 1066 MHz FSB, 2 MB L2 Cache

Hard Disk Drive (Required)

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

G910022-160 – 160 GB, 7200 RPM SATA II HDD

Memory Modules (Required – Blade contains two (2) DIMM slots)

G920007-1000 – 1 GB DDR2-667, Non-Registered, Non-ECC SDRAM

G920007-2000 – 2 GB DDR2-533, Non-Registered, Non-ECC SDRAM

Operating System (Required)

G053052 – Windows XP Professional SP2 English

G053057 – Windows XP Professional SP2 Japanese

G053030 – No OS Installed, Linux Ready

Chassis Interposer (Optional – provides backward compatibility to older chassis)

G091167 – 30-pin Chassis Interposer

Extended Warranty (Optional)

G091122 – R Series Single CPU Blade 3 Yr. Warranty