



## Model R1300 PC Blade

### *Intel® Pentium® Dual-Core Processing Power in a Blade Form Factor*

Featuring genuine Intel® Pentium® dual and single core 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 Pentium 4 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)<sup>1</sup>

#### **Components**

- Integrated Intel GMA 950 Graphics
- Optional NVIDIA Quadro NVS285 PCI-Express x16 graphics card with 128 MB VRAM<sup>2</sup>
- Intel Pentium D (dual-core) or Pentium 4 Processor<sup>3</sup>
- SATA II hard drive
- Dual-channel, DDR2-667, Non-Registered, Non-ECC Memory
- Microsoft Windows XP Pro, Windows 2000 Pro or Linux Ready

#### **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

