

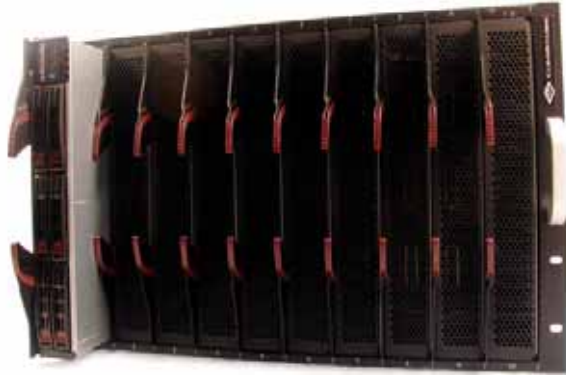
Model V7100S PC Blade

Provides More Performance to Virtual Desktop and Server Solutions in a Smaller Space

The V7100S PC blade is the latest addition to the ClearCube hardware product line and when used as a part of a ClearCube virtual desktop solution, it is also the greenest. When fully loaded with the maximum virtual-client complement the ClearCube solution can reduce energy usage by up to 80%, yielding hundreds of thousands of dollars in reduced electricity costs per year.

Powerful High-Density Performance

Featuring genuine dual Quad-Core Intel® Xeon® processors, DDR2-800 memory, and six hot-plug 2.5" SATA/SAS hard drives, ClearCube® V7100S blades offer the highest performance and best manageability of any desktop blade computers available today.



Dual integrated gigabit Ethernet controllers can be linked to ensure rapid, reliable access to network-stored data. The onboard LSI SAS 1078 RAID controller is one of the most powerful RAID controllers available. Hardware RAID capability makes disaster recovery foolproof, with the option to stripe data across six hard disks supporting RAID 0, 1, 5, 6, 10, 50, 60. ClearCube's advanced chassis provides up to four power supplies in a 3+1 redundant power supply configuration, integrated with high volume chassis fans. The power supplies are up to 93% efficient power, reducing datacenter cooling costs.

In addition to dual gigabit Ethernet, high data throughput can also be achieved through optional blade InfiniBand HCA ports which enable 20Gbps InfiniBand throughput per blade. The switch on the chassis connects to each blade and provides 10 external ports, each at 20Gbps (4x).



Broad Desktop and Server Virtualization Options

A virtualized V7100S blade gives IT administrators the ability to easily deploy and manage virtual servers or virtual desktops. Whether the system is leveraged with VMware ESX™, VMware Server™, Microsoft® HyperV™, or other virtualization solutions, the ClearCube V7100S enables multiple users to simultaneously access a single blade, while receiving their complete desktop experience. The V7100S is well suited to a high virtual machine density configuration through a maximum of eight CPU cores and 64 GB RAM.

Strong Systems Management, Simple and Secure

The V7100S provides built-in IPMI v2.0 systems management interface enabling remote management while monitoring blades, power supplies, fans, and network switches. This allows system management software to automatically provide notification of component or product failure.

The remote management features operate independent of individual blades because the systems management controller is a separate processor, providing access independent of system power-on status. V7100S blades provide full desktop performance while increasing security and manageability of assets and data. Powered by ClearCube Sentral™ management software, the solution gives IT administrators easy and total control of their entire deployment of centralized infrastructure – from PC blades to virtual desktops, locally or remotely, and provides server-level availability (99.9% uptime) for end user computing.

DATA SHEET

Specifications

General:	Intel 5400 chipset with 1600 MHz FSB LSI SAS 1078 RAID controller Two 1-Gbps Ethernet ports BIOS supports PXE and flash updates SVGA and two x USB 2.0 ports on blade front via KVM cable Optional single or dual InfiniBand 4x DDR 20 Gbps port Ten blades maximum in a standard 7U chassis
Components:	ATI ES1000 video with 16 MB RAM graphics, 1280 x 1024 @ 60 Hz maximum Two Quad-Core Intel Xeon processors Up to six SATA II or SAS hard drives (Supporting RAID 0, 1, 5, 6, 10, 50, 60) Dual-channel, DDR2-800, ECC Fully Buffered DIMM, maximum 64 GB Microsoft Windows 2003 Enterprise and Windows 2008 Enterprise capable Linux Ready – RedHat EL 4 (updates 5,6), EL 5.0, EL 5.1, SuSE 10.3, SLES10 SPI VMware ESX 3.5 certified <i>See ordering information below for available configurations</i>
Power Supply:	Redundant Chassis module (3+1) 1400 W or 2000 W modules (two minimum 1+1)
Dimensions:	11.3" H x 18.5" D x 1.7" W (28.8 cm x 47.0 cm x 4.2 cm) Ten blades fit in single 7U chassis (Fits in standard 19"-wide rack)
Weight:	8.6 pounds (3.9 kilograms)
Environment:	Stationary office installation, 0° to 35° C

Ordering Information - Use the following part numbers to order your V7100S PC Blade:

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Video

No video options

Processor (Required. Server accepts one CPU or two CPUs; if two CPUs are ordered, they must be identical)5310 dual-core, 1333 FSB, 2.00 GHz
L5410 quad-core, 1333 FSB, 2.33 GHz
E5462 quad-core, 1600 FSB, 2.80 GHz**Hard Disk Drive** (Required)250 GB, 5400 RPM SATA 3.0Gbps HDD
146 GB, 10000 RPM SAS HDD**Memory Modules** (Required. Server contains 8 DIMM slots. Server requires a minimum of two equal-capacity modules.)2 GB DDR2-667, ECC RAM
4 GB DDR2-667, ECC RAM
8 GB DDR2-667, ECC RAM (not currently available)
2 GB 800MHz, ECC RAM
4 GB 800 MHz, ECC RAM**Operating System**No OS factory installed by default, but installation can be requested
Linux ready and virtualization ready