

Model M2010S 2U Server

High-Performance Centralized Computing Solution with Dual Quad-Core Intel® Power in a 2U Form Factor

Featuring two Quad-Core Intel® Xeon® processors, up to eight DDR2-800 memory, and six hot-plug 2.5" SATA/SAS hard drives, ClearCube® M2010S Server offers the highest performance and best manageability of any 2U servers available today.

The M2010S can link dual, integrated gigabit Ethernet controllers to ensure rapid, reliable access to network-stored data. Hardware RAID capability makes disaster recovery foolproof, with the option to stripe data across six hard disks supporting RAID 0 through RAID 60. The M2010S chassis provides high-efficiency redundant power supplies in a 1+1 redundant power supply configuration, integrated with high-volume chassis fans.

Desktop and Server Virtualization

A virtualized M2010S 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™, Xen® hypervisor, Microsoft HyperV™, or other virtualization solutions, the ClearCube M2010S enables multiple users to simultaneously access a single server to receive a complete desktop experience. The M2010S is well suited to a high virtual machine density configuration through a maximum of eight CPU cores and 64 GB RAM. The M2010S provides expansion slots for PCI-based add-on cards for additional flexibility in datacenter deployments.

Powerful Systems Management, Simple and Secure

The M2010S provides an optional IPMI v2.0 systems management interface through an add-in chassis card to enable remote server, power supply, fan, and network switch management. The system management software will automatically provide notification of component or product failure. Remote management features include reboot, server reset, remote BIOS configuration access, and operating system console information via Serial over LAN or embedded KVM.

These remote management features operate independent of individual server because the systems management controller is a separate processor, providing access independent of system power status. The M2010S provides 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 server 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
Two 1-Gbps Ethernet ports
BIOS supports PXE and flash updates
VGA and two USB 2.0 ports on rear, and three-port internal USB header
Three PCIe® x8 full height and length slots and two PCIe x8 low profile slots
- Components:** ATI ES1000 video with 32 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 through RAID 60)
Two hard drive spare slots can be used with an additional controller
Eight dual-channel, DDR2-800, ECC fully buffered DIMM, 64 GB maximum
- Operating Systems:** Microsoft Windows XP Pro capable, Windows Vista® Business capable, Linux® ready, or Windows 2003 Server, Microsoft Windows XP Professional, VMware ESX certified
See ordering information below for available configurations
- Power Supply:** High efficiency redundant 700 W power supplies
- Dimensions:** 3.5" H x 25.5" D x 17.2" W (89 cm x 648 cm x 437 cm)
(Fits in standard 19"-wide rack)
- Weight:** 55 pounds (24.9 kilograms)
- Environment:** Stationary office installation, 0° to 35° C

Ordering Information - Use the following part numbers to order your M2010S 2U Server:

E0900041 Model M2010S 2U Server

Video

No video options available

Processor (Required. Server accepts one CPU or two CPUs; if two CPUs are ordered they must be identical.)

E932010-160	5110 dual-core, 1066 FSB, 1.60 GHz
	5310 dual-core, 1333 FSB, 2.00 GHz
	L5410 quad-core, 1333 FSB, 2.33 GHz
E932010-250	L5420 quad-core, 1333 FSB, 2.50 GHz
E932010-280	E5462 quad-core, 1600 FSB, 2.80 GHz

Hard Disk Drive (Required)

G910009-500	500 GB, 7200 RPM 3.0 Gbps HDD
G910009-1000	1000 GB, 7200 RPM 3.0 Gbps HDD

Memory Modules (Required. Server contains eight DIMM slots. Server requires a minimum of two equal-capacity modules.)

	2 GB DDR2-667, ECC RAM
G920009-4000	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

G0400053 Rev A