

Model R3040S PC Blade

Dual Intel® Xeon® Quad-core Processors for Unparalleled Workstation Performance

Featuring Dual Intel® Xeon® processors (Nehalem architecture) with Hyper-Threading Technology, Turbo Boost Technology, DDR3 memory and NVIDIA® PCI-Express® graphics, ClearCube Technology Model R3040S PC Blades have the power and speed to satisfy the most demanding workstation requirements. Four 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 the latest, high-performance Intel Xeon processors in a blade form factor. ClearCube Technology architecture centralizes blade processors, providing users with full workstation performance without the heat generation, fan noise or clutter at the desktop.

R3040S blades support direct connect ClearCube C/Port technology as well as the extendable PCoIP™, RDP, PCoE™, and ICA-based remote connection technologies.



Full PC Experience over IP

Working with the ClearCube I9400-series client or the ClearCube C7420 Digital Fiber C/Port, R3040S PC blades support up to four monitors simultaneously. Users receive simultaneous full screen, full motion video and full USB redirection over the network using the PCoIP protocol.

Quad-Monitor Support, High-Quality Video

R3040S blades offer two multi-video configurations for applications demanding advanced graphics and quad-monitor displays. Configurations include the ClearCube V5240 PCoIP quad-capable video card (based on S3 4300+ graphics processor) coupled with our I9440 client. R3040S blades can also use the ClearCube MGA video card (based on the NVIDIA® NVS285 graphics processor) with a ClearCube C/Port and Multi-video eXpander (MVX) accessory at the desktop. All configurations support video resolutions up to 1920 x 1200 on each monitor.

Desktop Virtualization

A virtualized R3040S blade gives IT administrators the ability to easily deploy and manage virtual desktops. Leveraging VMware® & Microsoft® Hypervisor products, the ClearCube R3040S enables up to 50 users to simultaneously access a single blade to receive a complete, full-featured desktop experience.

Powerful Performance, Simple and Secure

R3040S 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 complete 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.

Specifications

General:	Intel 5520 chipset w/ 6.4GT/s Quick Path Interconnect. Four 10/100/1000 Ethernet ports Local USB 2.0 port on Blade front
Processor:	Dual Intel® Xeon® Quad-core processors (up to 2.8 GHz)
RAM:	Tri-channel, DDR3-800/1066/1333, ECC / non-ECC (up to 48 GB)
Hard Disk Drive:	SATA/SSD drives w/ HW RAID (up to 4)
OS:	Microsoft® Windows XP Pro or Windows 7
Graphics:	Single Monitor with NVIDIA NVS290 PCIe Graphics Card w/ 512 MB VRAM Dual-Monitor with v5220 remote graphics card w/ S3 4300+, 512 MB VRAM Multi-monitor Option A: NVIDIA Quadro NVS285 PCIe Graphics w/ 128 MB VRAM Multi-monitor Option B: v5220 & v5240 remote graphics w/ S3 4300+ GPU, 512 MB
Power Supply:	400 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

Ordering Information

Use the following part numbers to order your R3040S Blade.

G0900069 – Model R3040S Blade

Video

G0800062 – v5220 PCoIP remote graphics adapter
G0800064 – v5240 PCoIP remote graphics adapter (V5220 required)
G0100044 – NVIDIA Quadro4 PCIe (Not compatible with v5220 option)

Processor (Minimum of one required. Maximum of two in each blade.)

G932304-253 – Intel Xeon Quad-Core, E5540 (2.53 GHz, 8 MB Cache, 5.8 GT/s)
G932304-200 – Intel Xeon Quad-Core, E5504 (2.00 GHz, 4 MB Cache, 4.8 GT/s)
G932304-186 – Intel Xeon Dual-Core, E5502 (1.86 GHz, 4M Cache)

Hard Disk Drive (Minimum of one required. Maximum four in each blade.)

G913040-320 – 320 GB, 7200 RPM 2.5" SATA II 3.0 GBps HDD
G910070-032 – 32 GB, SSD SLC SATA II HDD
G913040-300 – 300 GB, 10,000 RPM, 2.5" SATA II HDD
G913040-500 – 500 GB, 7200 RPM, 2.5" SATA II HDD

Memory Modules (Minimum of one module required for each processor. Maximum of six memory modules in each blade.)

G923040-4000 – 4 GB DDR3-1333, Reg/ECC SDRAM
G923040-8000 – 8 GB DDR3-1333, Reg/ECC SDRAM
G923040-2000 – 2 GB DDR3-1333, non-ECC SDRAM

Operating System

G0530024 – Windows XP Professional SP2 English
G0530027 – Windows 7 Professional 32-bit English
G0530034 – Windows 7 Professional 64-bit English
G0530039 – Windows 7 Ultimate 64-bit English
G0900076 – Windows Server 2008 R2, Standard License with CD-ROM
Without operating system