

## Model R3080D PC Blade

High-Performance Centralized Computing Solution with Intel® Core i7Quad-Core Power in a Blade Form Factor and Sentral™ Management Software

### R3080 PC Blade

Featuring genuine Intel® processors using Nehalem Dual-core and Quad-core architecture, DDR3-1333 memory, and PCI-Express® graphics, ClearCube® R3080D PC blades offer the highest performance and best manageability of any desktop blade computers available today.

ClearCube employs advanced thermal designs and cooling methods to deliver the latest Intel desktop processors in a blade computer format. Blade-cooling fans and high-volume chassis fans provide ample cooling, and since the ClearCube architecture centralizes the processors, users get full Quad-Core performance without the heat or fan noise of PCs at the desktops.

R3080D blades support direct connect C/Port technology as well as the extendable PCoIP™, ClearCube PCoE™, RDP, and ICA based technologies.

### Full PC Experience-Over-IP

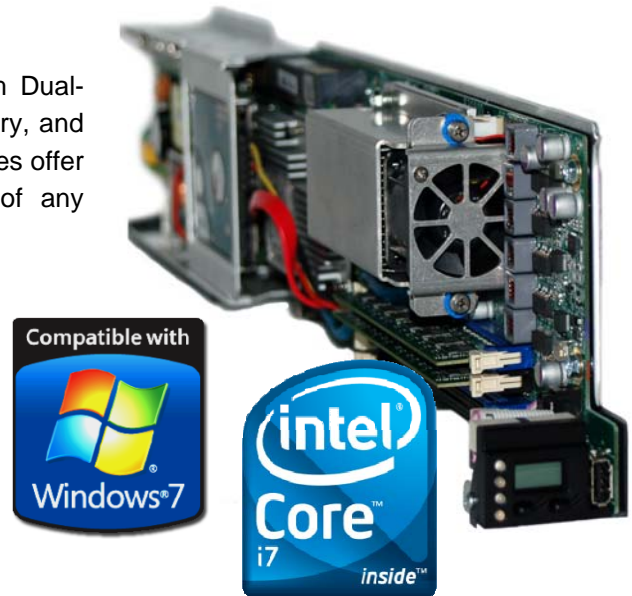
Working with the ClearCube I9400-series I/Port or the C7420 Digital Fiber C/Port, R3080D PC blades shatter the distance barrier by supporting two monitors at once with simultaneous full screen, full motion video, and full USB redirection over the network using the PCoIP protocol. The R3080D PC blade, in conjunction with I94xx-series zero clients or the C7420 C/Port, can support standard digital video at resolutions up to 1920 x 1200 on each monitor.

### MXV Quad-Monitor Support, High-Quality Video

R3080D blades offer a multi-video configuration, ClearCube MXV™, for applications demanding advanced graphics and quad-monitor displays. This configuration utilizes a special quad-capable PCI-Express video adapter (a mezzanine video card) based on the NVIDIA® Quadro® NVS graphics processor. The ClearView video driver, based on the award winning NVIDIA nView software, provides the graphical interface for setting up and configuring displays. The MXV multi-video solution can support standard analog input monitors and digital input monitors at resolutions up to 1280 x 1024.

### Desktop Virtualization

A virtualized R3080D blade gives IT administrators the ability to easily deploy and manage virtual desktops. Leveraging VMware Server from VMware, the ClearCube R3080D enables up to 5 users to simultaneously access a single blade, while receiving their complete desktop experience.



**Powerful Performance, Simple and Secure**

R3080D 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.

**Specifications**

- General:** Intel Q57 chipset with 6.4GT/sec Quick-path Interconnect, QPI  
Dual Ethernet ports (Primary 10/100/1000 Mbps, Secondary 10/100/1000 Mbps)  
Local USB 2.0 port on blade front panel (port on R4300 chassis also accessible)
- Components:**
- Processors:** Intel Core i5 processor, Core i7 processor, Pentium Dual Core Clarkdale
  - RAM:** DDR3 1333/1066/800, dual-channel or tri-channel depending on configuration, non-registered, non-ECC memory
  - Hard Disk:** SATA HDD
  - OS:** Microsoft Windows XP Pro, Windows 7, Windows 2003 Server or 2008 Server  
Linux Ready
  - Graphics:**
    - Single monitor with NVIDIA NVS290 PCIe Graphics Card with 512MB VRAM
    - Dual monitor with v5220 remote graphics card w/ S3 4300+, 512MB VRAM
    - Quad monitor with MVX configuration (NVIDIA Quadro NVS285 PCIe Graphics Card with 128 MB VRAM)
- 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 blades fit in single chassis (standard 19" rack width)
- Weight:** 4 to 5 pounds, depending on configuration (1.8 to 2.3 kilograms)
- Environment:** Stationary office installation, 0° to 35° C

**Ordering Information**

Use the following part numbers to order your R3080D Blade.  
G0900080 – Model R3080D Blade

**Video**

G0800082 – v5220 PCoIP remote graphics adapter  
G0800078 – NVIDIA Quadro4 PCIe (Not compatible with v5220 option)

**Processor**

G932308-280 – Intel Pentium Dual-Core, G6950 (2.8 GHz, 3 MB Cache, with integrated graphics)  
G932308-333 – Intel i5 660 Dual-Core (3.33 GHz, 4 MB Cache, with integrated graphics)  
G932308-266 – Intel i5 750 Quad-Core (2.66 GHz, 8 MB Cache)  
G932318-280 – Intel i7 860 Quad-Core (2.8 GHz, 8 MB Cache)

**Hard Disk Drive (HDD)**

G913080-320 – 320 GB, 7200 RPM 2.5" SATA II 3.0 GBps HDD

**Memory Modules (4 DIMM maximum)**

G923080-2000 – 2 GB DDR3-1066, Non-ECC SDRAM

**Operating System**

G0530028 – Windows XP Professional SP3 32-bit, English  
G0530037 – Windows 7 Professional 32-bit, English  
G0530039 – Windows 7 Ultimate 64-bit, English  
G0530042 – Windows 7 Professional 64-bit, English  
Without operating system