

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

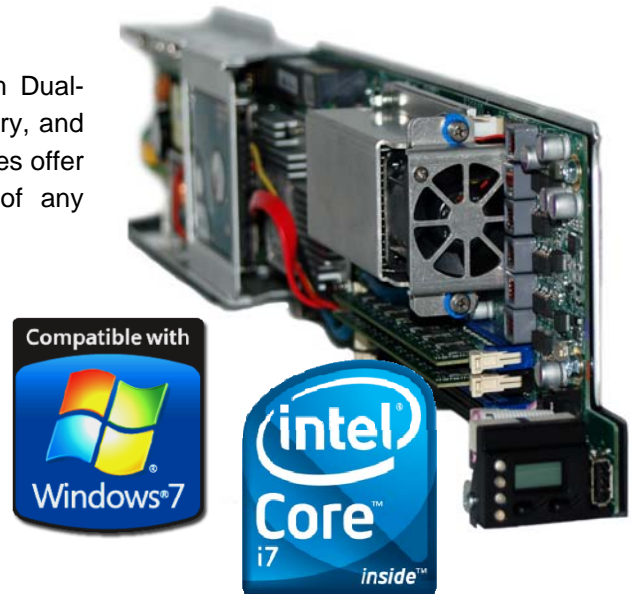
Working with the ClearCube I9400-series I/Port or the C7420 Digital Fiber C/Port, R3080D PC blades shatter the distance barrier by supporting two monitors at once with simultaneous full screen, full motion video, and full USB redirection over the network using the PCoIP protocol. The R3080D PC blade, 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.

Perfect Complement to VDI Environments

The ClearCube R3080 provides IT organizations with the ability to address the needs of power users in VDI environments. The R3080 seamlessly integrates into VMware virtual desktop environments and the connection between the blade and the zero client can be brokered by VMware View. By centralizing the power users' workstations IT organizations achieve VDI like benefits with high availability, ease of management and power efficiencies in a dense data center friendly solution.

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.



DATA SHEET

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: SSD and SATA HDD Options
OS: Microsoft Windows 7 Pro, Linux Ready
Graphics:
Dual monitor with v5320 remote graphics card w/ nVidia GT430 +, 1 GB 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

G0800126 – v5320 PCoIP Digital Dual Monitor Video Host Card

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)

* For use with ClearCube Cport KVM solution only

Hard Disk Drive (HDD)

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

G913080-032 – 32GB HDD SSD SLC SATA

G913080-080 – 80 GB 2.5in SSD MLC HDD

Memory Modules (4 DIMM maximum)

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

Operating System

G0530042 – Windows 7 Professional 64-bit, English

G0530037 – Windows 7 Professional 32-bit, English

Without operating system