

Model V7000 Blade Chassis

High Efficiency, Powerful Connectivity, and Strong Manageability

The V7000 Blade Chassis is a highly available chassis with up to ten hot-plug slots for the V7100S PC Blades in a secure, manageable data solution, which fits within a 19" industry-standard rack. When fully configured with ten V7100S PC Blades the V7000 can support up to 600 virtual desktop clients.

Reduces Operating Costs

The V7000 blade chassis power is supplied by up to four high efficiency power supplies. These high-efficiency power supplies create less heat than traditional server power supplies, saving on electricity and cooling cost. Available in either a 1,400 Watt or 2,000 Watt options, each power supply is hot-pluggable and includes high volume fans to actively cool the associated server blades. Each power supply slot also includes a drop down cover to insure maximum cooling efficiency when the power supply is removed. The chassis can also support a minimum of two power supplies in a 1+1 configuration.

Ultra-High Speed Connectivity

The V7000 has two 10/100/1000 Mbps Ethernet switches which connect to the dual port Ethernet controllers within each blade providing redundancy and high performance. For even faster performance, the V7000 offers an optional 24-port InfiniBand switch, which interfaces with the optional InfiniBand ports on each blade. InfiniBand provided ultra-high speed data throughput between the blades in the V7100 chassis and the InfiniBand switch extends that performance between multiple V7000 systems. InfiniBand switch throughput on the chassis enables 24 ports at 20Gbps (4x) each for a total chassis data throughput maximum of 960 Gbps.

High Availability

The new V7000 Blade Chassis provided high availability through redundant hot-pluggable components including two InfiniBand switches, two Gigabit Ethernet switches, up to two IPMI 2.0 management modules, as well as up to four high efficiency power supplies configured in an N+1 configuration. The passive backplane of the V7000 reduces power requirements and increases MTBF.

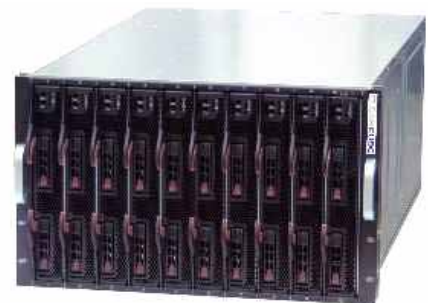
Strong Systems Management, Simple and Secure

The V7000 provides for up to two optional hot-plug IPMI v2.0 systems management interface modules. Each module supports an independent processor to enable remote management while monitoring blades, power supplies, fans, and network switches. The system management software will automatically provide notification of component or product failure.

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.



V7000 Rear View



V7000 Front View

DATA SHEET

Specifications

General:	7U chassis with a ten blade capacity Dual managed ten port 1-Gbps Ethernet switches, 21 Gbps max throughput/switch Ten blades maximum in a standard 7U chassis
Connections:	Twenty 1Gbps Ethernet connections (RJ-45) Ten 4x DDR 20Gbps InfiniBand ports Ten port InfiniBand switch supporting 20 Gbps/port DDR throughput per blade Four AC Power Connectors – 1 to each power supply Chassis Management Module – IPMI compliant, KVM and network connectors <i>*See Ordering Information Below for Available Configurations</i>
Power Supply:	Redundant Chassis module (N+1) 1400 W or 2000 W modules Up to four hot swap power supplies with up to 16 cooling fans Minimum of two power supplies must be installed (1+1) Universal 100 – 240 VAC, 50-60 Hz input, 10A – 14A input 15,641 BTUs/hr maximum with four 2,000 W power supplies 4,179 W maximum fully loaded
Dimensions:	12.1" H x 18.5" D x 29.0" W (30.7 cm x 47.0 cm x 73.7 cm) Ten blades fit in single 7U chassis (standard 19" rack width)
Weight:	83 pounds (37.65 kilograms)
Environment:	Stationary office installation, 0° to 35° C
Regulatory Compliance:	FCC/CSA Class A, EN 55022 Class A, EN 61000-3-2/-3-3, CISPR 22 Class A UL listed (USA), CUL listed (Canada), TUV certified (Germany), CE mark (Eur)

Ordering Information

Use the following part numbers to order your V7000 Blade chassis and components:

Power Supplies	Model V7000 Blade chassis 1,400W 2,000W
Ethernet Switches (1 required)	
InfiniBand Switch (optional)	HCA card for each blade required 1 switch per chassis if InfiniBand configured
Chassis Management Modules (Optional)	TBD
Power Cord	North American power cords (included with each power supply) United Kingdom power cord European power cord