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Technical Specifications

Dell™ PowerEdge™ 1850 Systems User's Guide

Processor	
Processor type	Up to two Intel® Xeon™ processors with a minimum clock speed of at least 2.8 GHz
Front-side bus speed	800 MHz
L2 cache	at least 1MB internal cache

Expansion Bus	
Bus type	PCI-X, PCI Express
Expansion slots via riser card:	
PCI-X	one 3.3-V, 64-bit, 100-MHz and one 3.3-V, 64 bit, 133MHz
PCI Express	one x4 lane width (when available) one x8 lane width (when available)

Memory	
Architecture	144-bit ECC registered PC2-3200 DDR2 SDRAM DIMMs, with two-way interleaving, rated for 400-MHz operation
Memory module sockets	Six 240-pin
Memory module capacities	256 MB, 512 MB, 1 GB, 2 GB, or 4 GB (when available)
Minimum RAM	256 MB (one 256-MB module)
Maximum RAM	16 GB

Drives	
SCSI hard drives	up to two 1-inch, internal, hot-plug, Ultra320 SCSI
Diskette drive	one optional 3.5-inch, 1.44-MB external optional USB 3.5-inch, 1.44-MB
Optical drive	one optional IDE CD or DVD external optional USB CD
Flash drive	external optional USB

Connectors	
Externally accessible	
Back	
NIC	Two RJ-45 (for integrated 1-Gigabit NICs)
PS/2-style keyboard	6-pin mini-DIN
PS/2-compatible mouse	6-pin mini-DIN
Serial	9-pin, DTE, 16550-compatible

USB	Two 4-pin, USB 2.0 compliant
Video	15-pin VGA
Front	
Video	15 pin
USB	Two 4-pin, USB 2.0 compliant
Internally accessible	
SCSI channels	One 68-pin U320 SCSI

Video	
Video type	ATI Radeon 7000-M video controller; VGA connectors
Video memory	16 MB

Power	
AC power supply (per power supply)	
Wattage	550 W
Voltage	84 -264 VAC, autoranging, 47-63 Hz, 7.6 A
Heat dissipation	2130 BTU/hr (theoretical maximum)
Maximum inrush current	Under typical line conditions and over the entire system ambient operating range, the inrush current may reach 25 A per power supply for 10 ms or less.
Batteries	
System battery	CR 2032 3.0-V lithium ion coin cell
ROMB battery (optional)	4.1-V lithium ion

Physical	
Height	4.29 cm (1.69 in)
Width	48.26 cm (19 in)
Depth	76.2 cm (30 in)
Weight (maximum configuration)	17.69 kg (39 lb)

Environmental	
NOTE: For additional information about environmental measurements for specific system configurations, see www.dell.com/environmental_datasheets.	
Temperature	
Operating	10° to 35°C (50° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)
Relative humidity	
Operating	8% to 85% (noncondensing) with a maximum humidity gradation of 10% per hour
Storage	5% to 95% (noncondensing)
Maximum vibration	
Operating	0.25 G at 3-200 Hz for 15 min
Storage	0.5 G at 3-200 Hz for 15 min
Maximum shock	
Operating	One shock pulse in the positive z axis (one pulse on each side of the system) of 41 G for up to 2 ms
Storage	Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms
Altitude	

Operating	-16 to 3048 m (-50 to 10,000 ft)
Storage	-16 to 10,600 m (-50 to 35,000 ft)

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