

Technical Specifications

Processor

Type	Low Voltage 64-bit Intel® Xeon® processor (2.8 GHz) with Intel® EM64T
Core	Single
Processor Side Bus	800 MHz

Memory

Cache Memory	1 MB L2 (per processor)
Maximum Memory Capacity	16 GB
Number of DIMM Slots	4

Chipset

Memory Controller Hub	Intel® E7520
I/O Controller Hub	Intel 6300ESB

Operating System

Linux	Validated with Monte Vista Carrier Grade Edition (CGE)* Version 3.1 (Kernel 2.4.20)
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Power

Supported Voltage (Normal)	-38VDC to -72VDC
Maximum Power Draw	<200W

Environmental

Ambient Temperature	Operating: 0°C to 55°C Storage/Transit: -40°C to 85°C
Airflow	Operating: 300 CFM minimum
Humidity	Operating: 5% to 95% non-condensing Non-operating: 0% to 95% non-condensing
Vibration	Packaged: 2.85 G RMS random Non-operating: 3.0 G RMS random
Shock	Operating: IEC68-2-27: 1988, IEC68-2-29: 1998 Non-operating: 40 G, 11 ms duration (in approved packaging)

Connections

Front panel I/O	Two USB 2.0 ports Serial port (RJ-45) PMC slot (64-bit, 66 MHz) LEDs for hot swap, status, health, hard drive activity, and Ethernet connections
Backplane	Dual Gigabit Ethernet (Base interface) Quad Gigabit Ethernet (Fabric interface) Dual IPMB connections (Zone 1) Redundant power connections (Zone 1)

Storage

Type	Support for onboard 2.5-inch Small Form Factor (SFF) Serial Attached SCSI (SAS) hard drive
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Technical Specifications (cont.)

Physical

Height	8U, 14 in. (35.56 cm)
Width	1.2 in. (3.048 cm)
Depth	11.16 in. (32.25 cm)
Weight	8.81 pounds (with processors, heat sink, 8 GB memory, 1 SAS hard drive [Note: Memory and hard drive are optional components])

Specification Compliance

AdvancedTCA	PICMG* 3.0, 3.1 option 2
NEBS	Designed for NEBS Level-3 and ETSI installations
IPMI	IPMI v1.5

Regulatory Compliance

Safety	UL 60950
Emissions	FCC Class B CISPR 22 EN55022 AS/NZS3548 VCCI (Japan)

Warranty

Intel® Telecom Products Warranty Information at
<http://www.intel.com/network/csp/products/3144web.htm>