

ProServ 2610 Environmental and Compliance Tables



Environment	Specification
Temperature, operating	10°C to 35°C (50°F to 95°F)
Temperature, non-operating	-40°C to 70°C (-40°F to 158°F)
Humidity, operating	5% to 85%
Humidity, non-operating	50% to 90%, non-condensing with a maximum wet bulb of 28°C (at temperatures from 25°C to 35°C) as per <i>25-GS0009 Boards and Systems Environmental Governing Specification</i>
Altitude	0 to 1,800 m (0 to 5,900 ft.) @ 40°C, temperature derated by 1°C for each additional 300m (985 ft.)
Vibration, non-operating	2.2 Grms, 10 minutes per axis on all three axes as per <i>25-GS0009 Boards and Systems Environmental Governing Specification</i>
Shock, non-operating	Trapezoidal, 25 G, 170 inches/second delta V, three drops in each direction, on each of the three axes as per <i>25-GS0009 Boards and Systems Environmental Governing Specification</i>
Electrostatic discharge (ESD)	Tested to ESD levels up to 15 kilovolts (kV) air discharge and up to 8 kV contact discharge without physical damage as per <i>25-GS0009 Boards and Systems Environmental Governing Specification</i>
Acoustic	Sound power: < 7.0 BA at ambient temperatures at 23 ± 2°C measured per <i>25-GS0009 Boards and Systems Environmental Governing Specification</i>
RoHS	Complies with RoHS Directive 2002/95/EC

Physical Dimensions

Dimension	Value
Height	3.45 inches (87.6 mm)
Width	17.14 inches (435.3 mm)
Depth	20.0 inches (508 mm)
Front clearance	2.0 inches (76 mm)
Side clearance	1.0 inches (25 mm)
Rear clearance	3.6 inches (92 mm)

Safety Compliance

USA/Canada	UL 60950-1, 1 st Edition/CSA 22.2
Europe	Low Voltage Directive, 73/23/EEC TUV/GS to EN60950-1, 1 st Edition
International	CB Certificate and Report to IEC60950-1, 1 st Edition and all international deviations

Electromagnetic Compatibility

USA	FCC 47 CFR Parts 2 and 15, Verified Class A Limit
Canada	IC ICES-003 Class A Limit
Europe	EMC Directive, 89/336/EEC EN55022, Class A Limit, Radiated & Conducted Emissions EN55024 Immunity Characteristics for ITE EN61000-4-2 ESD Immunity (level 2 contact discharge, level 3 air discharge) EN61000-4-3 Radiated Immunity (level 2) EN61000-4-4 Electrical Fast Transient (level 2) EN61000-4-5 Surge EN61000-4-6 Conducted RF EN61000-4-8 Power Frequency Magnetic Fields EN61000-4-11 Voltage Fluctuations and Short Interrupts EN61000-3-2 Harmonic Currents EN61000-3-3 Voltage Flicker
Australia/New Zealand	EN55022, Class A Limit
Japan	VCCI Class A ITE (CISPR 22, Class A Limit)
Taiwan	BSMI Approval, CNS 13438, Class A and CNS13436 Safety
Korea	RRL Approval, Class A
China	CCC Approval, Class A (EMC and Safety)
Russia	Gost Approval (EMC and safety)
International	CISPR 22, Class A Limit, CISPR 24 Immunity

Server Management Features

Element	Supported (Yes/No)
IPMI Messaging, Commands, and Abstractions	Yes
Baseboard Management Controller (BMC)	Yes
Sensors	Yes
Sensor Data Records (SDRs) and SDR Repository	Yes
FRU Information	Yes
Autonomous Event Logging	Yes
System Event Log (SEL)	Yes 3,276 entries
BMC Watchdog Timer, covering BIOS and run-time software	Yes
IPMI Channels, and Sessions	Yes
Emergency Management Port (EMP) - IPMI Messaging over Serial/Modem. This feature is also referred to as Direct Platform Control (DPC) over serial/modem.	Yes
Serial/Modem Paging	Yes
Serial/Modem Alerting over PPP using the Platform Event Trap (PET) format	Yes
DPC (Direct Platform Control) - IPMI Messaging over LAN (available via both on-board network controllers) Available over dedicated management port (ESB2 NIC 1)	Yes
LAN Alerting using PET	Yes
Platform Event Filtering (PEF)	Yes
Intelligent Chassis Management Bus (ICMB) - IPMI messaging between chassis	Yes
PCI SMBus support	Yes
Fault Resilient Booting	Yes
BIOS logging of POST progress and POST errors	Yes
Integration with BIOS console redirection via IPMI v2.0 Serial Port Sharing	Yes
Access via web browser	No Requires Remote Management Module (RMM)
SNMP access	Yes
Telnet access	No
DNS support	Yes
DHCP support (dedicated NIC only)	Yes
Memory Sparing/Mirroring sensor support	Yes
Alerting via Email	Yes
Keyboard, Video, Mouse (KVM) redirection via LAN	No Requires Remote Management Module (RMM)
High speed access to dedicated NIC	Yes