



Environment	Specification for ProServ M2800
Temperature, operating	NEBS Level 3 +5°C to 40°C (41° F to 104° F) NEBS Level 1 +10°C to 35°C (50° F to 95° F)
Temperature, non-operating	-40° C to 70° C (-40° F to 158° F)
Temperature, short-term* NEBS Level 3 only	-5° C to 55° C (23° F to 131° F)  *Short-term refers to a period of not more than 96 consecutive hours and a total of not more than 15 days in 1 year. (This refers to a total of 360 hours in any given year, but no more than 15 occurrences during that one-year period.)
Humidity, operating	5% to 85%
Humidity, non-operating	95%, non-condensing at temperatures of 23° C to 40° C (73° F to 104° F)
Altitude	-60 to 1800m (-197 to 5906 ft) @ 40°C max. 1801 to 4000m (5909 to 13,123 ft) @ 30°C
Vibration, non-operating	Random profile 5Hz @ 0.001g <sup>2</sup> /Hz to 20Hz @ 0.01g <sup>2</sup> /Hz (slope up) 20Hz to 500Hz @ 0.01g <sup>2</sup> /Hz (flat) Input acceleration is 2.20g RMS 10 min. per axis, in all 3 axes, on all samples Random control limit tolerance in +/- 3dB
Shock operating	Half-sine 2G, 11 ms pulse, 100 pulses in each direction, on each of the three axes
Shock non-operating	Trapezoidal, 25G, 205 inches/sec delta V, two drops in per face, (total 12 drops)
Electrostatic discharge (ESD)	Tested ESD levels up to 12kV (kilovolts) air discharge and up to 8kV contact discharge without physical damage
Acoustic	Sound power: 7B max at ambient temperatures < 23°C +/-2°C
RoHS	Complies with RoHS Directive 2011/65/EU and RoHS 6/6

<b>Height</b>	3.45 inches (87.6 mm)
<b>Width</b>	17.14 inches (435.3 mm)
<b>Depth</b>	20 inches (508mm)
<b>Front clearance</b>	2 inches (76 mm)
<b>Side clearance</b>	1 inch (25 mm)
<b>Rear clearance</b>	3.6 inches (92 mm)

## Server Board Management Enhancements

The Intel Server Board also offers a number of new features:

- Sensor and SEL logging additions/enhancements (for example, additional thermal monitoring capability, better isolation of faults to the FRU level)
- Embedded platform debug feature that allows capture of detailed data for later analysis
- Provisioning and inventory enhancements:
  - Signed firmware (improved security)
  - Inventory data/system information export (partial SMBIOS table)
- Enhancements to fan speed control.
- DCMI compliance (product-specific).
- Support for embedded web server UI in Basic Manageability feature set.
- Enhancements to embedded web server
  - Human-readable SEL
  - Additional system configurability
  - Additional system monitoring capability
  - Enhanced on-line help
- Enhancements to KVM redirection
  - Support for higher resolution
- Support for EU Lot6 compliance
- Management support for PMBus rev1.2 compliant power supplies
- DCMI 1.1 compliance

