

ProServ M2700 Environmental and Compliance Tables



Memory

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|-------------------------|--------------------------------------|
| Memory type | DDR3 technology at 800/1066/1333 MHz |
| Number of DIMM slots | Twelve (12) RDIMM or UDIMM slots |
| Maximum memory capacity | 96 GB (non-mirrored mode) |

Physical

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|--------|-------------------------|
| Height | 3.45 inches (87.6 mm) |
| Width | 17.14 inches (435.3 mm) |
| Depth | 20 inches (508 mm) |

Environmental

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|-------------------------------|---|
| Temperature, operating | 5° C to 40° C (41° F to 104° F) |
| Temperature, non-operating | -40° C to 70° C (-40° F to 158° F) |
| Humidity, non-operating | 95%, non-condensing at temperatures of 23° C (73° F) to 40° C (104° F) |
| Altitude | 0 to 1,800 m (0 to 5,905 ft) @ 40° C 0 to 4,000 m (0 to 13,123 ft) @ 30° C |
| Vibration, non-operating | 5 Hz @ 0.001g ² /Hz to 20Hz @ 0.01g ² /Hz (slope up)* 20 Hz to 500Hz @ 0.01g ² /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 2 G, 11 ms pulse, 100 pulses in each direction, on each of the three axes** |
| Shock, non-operating | Trapezoidal, 25 G, 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 +/-2°C** |
| RoHS | Complies with RoHS Directive 2002/95/EC |

* per Intel®'s 25-GS0009 Boards and Systems Environmental Standards Governing Spec

** per the K00158 CRMS Environmental Standards Specification

Safety Compliance

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|---------------|---|
| USA/Canada | UL 60950-1, 1st Edition/CSA 22.2 No. 950-1 |
| Europe | Nemko/GS EN 60950-1, 2nd Edition Low Voltage Directive, 73/23/EEC |
| International | CB Certificate and Report to IEC60950-1, 2nd Edition and all international deviations |

Electromagnetic Compatibility

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|-----------------------|--|
| Australia/New Zealand | EN55022, Class A Limit |
| Canada | IC ICES-003 Class A Limit |
| China | CCC Approval, Class A (EMC and Safety) |
| Europe | EMC Directive, 2004/108/EC EN55022, Class A Limit, Radiated & Conducted Emissions EN55024 Immunity Characteristics for ITE EN61000-4-2 ESD Immunity EN61000-4-3 Radiated Immunity EN61000-4-4 Electrical Fast Transient 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 |
| International | CISPR 22, Class A Limit, CISPR 24 Immunity |
| Japan | VCCI Class A ITE (CISPR 22, Class A Limit) |
| Korea | KCC Approval, Class A |
| Russia | Gost Approval (EMC and safety) |
| Taiwan | BSMI Approval, CNS 13438, Class A and CNS13436 Safety |
| USA | FCC 47 CFR Parts 15, Verified Class A Limit |

NEBS Compliance

The Carrier Grade Server ProServ M2700 with DC input is compliant with the NEBS Level 3 criteria from the following NEBS specifications:

- NEBS GR-63-CORE, Issue 3 — Physical Protection
- NEBS GR-1089-CORE, Issue 4 — Electromagnetic Compatibility and Electrical Safety

ETSI Standards Compliance (DC Input Only)

The Carrier Grade Server ProServ M2700 with DC input is compliant with the following ETSI specifications:

- ETSI EN 300 386 — EMC requirements for Telecom Equip.
- ETS 300-019-2-1 — Storage Tests, Class T1.2
- ETS 300-019-2-2 — Transportation Tests, Class T2.3
- ETS 300-019-2-3 — Operational Tests, Class T3.2
- ETS 753 — Acoustic Noise