

LENOVO MIL-SPEC PRODUCT LEADERSHIP



Lenovo's dedication to constantly improving product quality means rigorous testing for reliability and durability. MIL-SPEC standards test devices against hazardous physical and environmental conditions in order to determine their ability to survive these conditions. Lenovo ThinkPad® devices are tested against twenty MIL-STD 810-G procedures to prove their toughness.

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INDUSTRY-LEADING PRODUCT TESTING FOR SUPERIOR DURABILITY AND RELIABILITY

Since 2007, Lenovo has used the US Department of Defense's MIL-SPEC standards to ensure our products strike a perfect balance of value and durability right out of the box.

ThinkPad products are currently tested for 20 total procedures validating 12 categories.



HUMIDITY

Relative humidity of 91-98% at 20-60°C



VIBRATION

Tested while running and turned off



SOLAR RADIATION

3 & 4 24-hr. cycles of controlled simulated solar radiation



ALTITUDE

Tested for operations at 15,000 feet



EXTREME TEMPERATURE

-25°C-60°C over 3 cycles of 2-hr. duration



MECHANICAL SHOCK

High acceleration, repeated shock pulses over 18 times

ThinkPad products are also tested for these procedures:

- Explosive Atmosphere: Tested in fuel vapor environments
- Shipboard Vibration: Tested at 4-33Hz for 2 hrs.
- Fungus: 28 days with common fungus sources
- Sand and Dust: Silica sand, 140 mesh silica dust for 6-hr. cycles
- High Temperature: +30-60°C over 7x24-hr. cycles
- Low Temperature: -20°C for over 72 hrs.