THINKPAD MIL-STD TESTING LEADERSHIP

Lenovo's dedication to constantly improving product quality means rigorous testing for reliability and durability. In addition to our extensive in-house testing for real-world challenges, Lenovo ThinkPad® devices are tested against twelve*MIL-STD 810G Methods and twenty-two Procedures.

INDUSTRY-LEADING PRODUCT TESTING FOR DURABILITY AND RELIABILITY

Since 2007, Lenovo has used the US Department of Defense's *MIL-STD 810G standards to help our products strike a perfect balance of value and durability right out of the box.

ThinkPad products are currently tested for 12 total methods and 22 procedures:

HUMIDITY
91–98% relative humidity, at 30–60°C

VIBRATION
Tested while running and turned off

SOLAR RADIATION
Seven 24-hr. cycles of simulated UV radiation

ALTITUDE
Tested for operations at 15,000 feet

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

MECHANICAL SHOCK
High acceleration, repeated shock pulses over 18 times

FUNGUS
28 days with common fungus sources

SAND & DUST
140 mesh silica dust for 6 hr. cycles and silica sand for 90 min. cycles

SHIPBOARD VIBRATION
4-33Hz for 2 hrs.

HIGH TEMPERATURE
Storage: 63°C for 24 hrs.
Operation: 43°C for 8 hrs.

LOW TEMPERATURE
Storage: -25°C for 24 hrs.
Operation: -21°C for 8 hrs.

EXPLOSIVE ATMOSPHERE
Fuel vapor environment

*MIL-STD 810G establishes a methodology for testing products against environmental stresses. There are limitations inherent in all laboratory testing and therefore consumers should not assume that a computer which passes a laboratory test will also survive when subjected to the same stress under real world conditions. Abuse, like that contained in MIL-STD 810G, is not covered under warranty. ability to survive these conditions.