

Servers Rugged Level 1

SPECIFICATION		SERVERS RUGGED LEVEL 1 (RL1)	STANDARD REFERENCED
TEMPERATURE	Operating (Sea Level)*	0°C to +50°C	MIL-STD-810H, Methods 501.7 & 502.7, Procedure II
	Non-Operating (Storage)	-40°C to +71°C	MIL-STD-810H, Methods 501.7 & 502.7, Procedure I
HUMIDITY	Operating	5% - 95%, non-condensing	MIL-STD-810H, Method 507.6 tailored
	Storage	5% - 95%, non-condensing	
ALTITUDE	Operating **	0 ft - 12,500 ft	MIL-STD-810H, Method 500.6, Procedure II
	Storage	0 ft - 40,000 ft	MIL-STD-810H, Method 500.6, Procedure I
VIBRATION & SHOCK	Non-Op Random (Wheeled Vehicle and Airborne Transportation)	4.67 Grms Vertical 4.5 Grms Transverse/Longitudinal	MIL-STD-810H Method 514.8, Procedure Composite profile of: Category 4 Composite Wheeled Vehicle (Table 514.8C-VII/Figure 514.8C-6) & Category 7 C-17 Jet (Table 514.8C-IX/Figure 514.8C-9)
		5 Hz - 2000 Hz	
		1 hr / axis	
	Op Vibration	4 Hz - 33 Hz	MIL-STD-167-1A, Type 1
		Sinusoidal Sweep & Dwell	
	Op Shock	X, Y, Z-axes: 20 g	MIL-STD-810H, Method 516.8, Procedure I
		11 ms, 1/2-sine pulse	
		(3 positive, 3 negative)	
EMI / EMC		MIL-STD-461G, CE102	CE102
		MIL-STD-461G, RE102	RE102 Figure RE102-1, Navy Below Deck

*Product performance may be diminished to achieve extended operating temperatures. Examples include processor throttling, reduced core counts, Turbo-mode disabled, reduced FPGA functionality and/or other limitations.

**Inlet air temperature derating with altitude may be required