IBM BladeCenter Type 8843

The IBM BladeCenter Type 8843-JTU server has completed NEBS 3/ETSI compliance testing and is fully compliant with the NEBS 3/ETSI environmental requirements. The following features and specifications pertain to the BladeCenter Type 8843 model JTU server.

Table 1.

Specifications for NEBS/ETSI environments		

Microprocessor: Supports up to two microprocessors
 	
• Intel Xeon duel 800 MHz processor; 2.8 GHz or faster
• Intel chipset
	Integrated functions:
	
	• Dual Gigabit Ethernet controllers
	• Expansion card interface
	• Baseboard management controller (BMC) with IPMI firmware
	• ATI 7000M video controller
	• LSI 1020 SCSI controller
	• Light path diagnostics
	• Local service processor (BMC)
	• RS-485 interface for communication with the management module
	• Automatic server restart (ASR)
	• Serial over LAN (SOL)
	• Intelligent Platform Management Interface (IPMI)
	• 4 USB buses for communication with keyboard, mouse, diskette drive, and CD-ROM drive
		Environment:
		
		• Air temperature:
		  – Blade server on: 5° to 40° C (41° to 104° F). Altitude: -60 to 1800 m (-197 to 6000 ft).
		  – Blade server on: 5° to 30° C (41° to 86° F). Altitude: 1800 to 4000 m (6000 to 13000 ft).
		  – Blade server on (short term): -5° to 55° C (23° to 131° F). Altitude: -60 to 1800 m (-197 to 6000 ft)
		  – Blade server on (short term): -5° to 45° C (23° to 113° F). Altitude: 1800 to 4000 m (6000 to 13000 ft).
		  – Blade server off: -40° to 70° C (-40° to 158° F), 30° C/hr maximum rate of change
		• Humidity:
		  – Blade server on: 5% to 85%
		  – Blade server on (short term): 5% to 90% not to exceed 0.024 water/kg of dry air
		  – Blade server off: Uncontrolled

Memory: • Dual channel 400 MHz (DDR2) with 4 dual inline memory module (DIMM) slots (16 GB maximum) • Type: 2-way interleaved, DDR2, PC3200 ECC SDDRAM registered x4 (Chipkill) DIMMs only • Supports 256 MB, 512 MB, 1 GB, 2 GB, and 4 GB (4 DIMM slots)	**Predictive Failure Analysis (PFA) alerts**: • Microprocessor • Memory	**Size:** • Height: 24.5 cm (9.7 inches) • Depth: 44.6 cm (17.6 inches) • Width: 2.9 cm (1.14 inches) • Maximum weight: 5.4 kg (12 lb)
Drives: Support for two internal small-form-factor SCSI drives	**Electrical Input:** 12 V dc	

Note: The operating system in the blade server must provide USB support for the blade server to recognize and use the keyboard, mouse, CD-ROM drive, and diskette drive. The BladeCenter unit uses USB for internal communications with these devices.