



ZXL1 STATION

ULTRA RUGGED RACK MOUNTED 1U WORKSTATIONS + SERVERS

The ZXL1 Intel or AMD based server mounts in an industry standard 1RU low-profile rack space. The ZXL1 can host two PCI cards and up to three removable, environmentally protected SATA hard disk drives. The many user-friendly features also include a front accessible power switch, two front accessible USB ports for rapid connectivity, and a slim DVD-RW. A quick release top access cover allows easy service and hardware installation.

Optimized for harsh conditions, the ZXL1 also has specialized PCI card hold-downs that secure the PCI cards in all three axis (X/Y/Z).

The front accessible air filter provides cooling and protects the system from sand and dust. Internally the modulating fans are also removable. And of course the removable 550W power supply will support the latest Intel Core2 Duo and AMD Opteron server boards, as well as high-power (PCI Express) graphics cards.

To further reduce risk, cost and failures caused by harsh environmental conditions, the ZXL1 is designed to exceed MIL-STD 167 for vibration and MIL-STD 461 for EMI, in hostile, fielded applications.

Highlights

- Supports Intel Quad Core & AMD Opteron Quad Core processors
- Dual processor options
- 550W power supply
- 19" rack mountable
- Only 20 inches deep
- Rugged lightweight packaging
- Slim 1U (1.72") height
- 2 PCI expansion slots. 1x16 PCIe, 1x8 PCIe or PCI x 133 MHz
- Ultra-secure PCI card brackets
- 3 rugged removable SATA TranzPak 2 HDDs
- Slim DVD-RW
- Front mounted power switch
- 2 front USB ports
- Removable dust filter

SPECIFICATIONS

ZXL1 Station

Physical

Size: 1.72"H x 19"W x 20.00"D (inside rack)
 Weight: 17.08 to 19.86 lbs.
 Storage Options: SATA

Power Supply

Zippy P1W-6520P
 Total Output Power: 520 W
 AC Input Range: 90-264 VAC Full range
 Input Frequency: 47-63Hz, 400 Hz

Environmental Design Goals

Operating Temp: 0° to + 50° Celsius
 Non-op Temp: -40° to + 71° Celsius
 Operating Humidity: 5% to 95% Non-condensing
 Non-op Altitude: Up to 40,000 ft.
 Operating Altitude: Up to 10,000 ft.
 Vibration: MIL-STD-167
 Shock: MIL-STD-810E (Method 516), 30g's, Saw-tooth, 11ms
 MIL-S-901D (In isolated rack)
 Fungus: Non Nutrients/contaminants

Reliability

Operating Life: 10 years
 Maintainability: <20minutes @ Line-Replaceable Unit (LRU) Level

Regulatory

Safety: UL60950 (used as a guideline)
 EM: Options: MIL-STD-461E (call factory to discuss)

Quality/Workmanship

IPC / ISO 9001:2000 and applicable section of MIL-HDBK-454

MIL-SPEC

Additional extended range environmental military specifications can be met with optional enhancements. See your Z Micro representative for details.

Units are designed and built to meet the following specifications.

