



ZXT STATION

ULTRA RUGGED RACK MOUNTED 4U WORKSTATIONS + SERVERS

Specifically designed and tested to survive the harshest field-ready environments, the Intel or AMD-based Z Xt Station is an armored data crunching workhorse combining blistering processing speeds with the flexibility of standard 19" rack mountable packaging.

Whether deployed in transit cases, shelters, vehicles, airplanes, ships, or mobile command centers, the Z Xt Station hosts a selection of the latest high-performance motherboards along with the most current fixed and removable peripherals in a rugged, environmentally protected enclosure.

The latest single or dual-processor motherboards easily handle the heaviest processing loads and support the latest high-end video cards.

Up to two fix-mounted peripherals, two removable SATA/IDE/SCSI TranzPak 7 hard drives, slim DVD/RW and slim floppy provide maximum flexibility, storage capacity and data security. A host of I/O ports, including two front and four rear USBs, provide extensive connectivity options.

Delivering the latest computing technology in a lightweight compact 7" high (4U) package purpose-built for ease of maintenance in deployed situations, the Z Xt Station hosts an array of rugged features. An innovative Universal PCI Bracket adds structural rigidity to the chassis while locking in up to six full-sized PCI cards in all three axes (X/Y/Z), ensuring vital components stay firmly planted whether on rough roads, high seas or in turbulent air.

Highlights

- Supports latest Intel Xeon, Core2 Duo & AMD Opteron processors
- 510W ATX power supply (400Hz capable) – Non-PVC wires
- 19" rack mountable
- Six USB ports (2 front, 4 rear)
- Rugged lightweight packaging
- Slim 4U (6.89") height
- Up to six PCI expansion slots
- Ultra-secure PCI card brackets
- Lightweight rugged packaging
- Two rugged removable SATA, SCSI or IDE TranzPak7 HDDs
- Slim DVD-RW and slim floppy included

SPECIFICATIONS

ZXT Station

Physical

Dimensions: 6.89"H x 17.15"W x 19.90"D (From mounting flange)
Weight: Approximately 35 lbs.
Storage Options: SATA, SCSI or IDE

Power Supply

Total Output Power: 510 W
AC Input Range: 100-240 VAC
Input Frequency: 47-63Hz, 400Hz capable
Non-PVC wires

Environmental

Operating Temp: 0° to + 50° Celsius. More extreme operating temperatures achievable with Solid State Drives.
Non-op Temp: -40° to + 70° Celsius
Operating Humidity: 0% to 90% Non-condensing
Non-op Altitude: -1,300 to 45,000 ft. (Design Goal)
Operating Altitude: -1,300 to 15,000 ft. (Design Goal)
Vibration: MIL-STD-167, Up to 25 Hz. More stringent vibration environments are achievable with Solid State Drives.
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: UL1950 (used as a guideline)
EMI: 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.

*Environments listed as Design Goals have not been tested, and limits are based on results from similar products.

