



Features

- Non-volatile memory and no moving parts
- Up to 64GB storage capacity
- Up to 40 MB/s sustained read/write rate
- Compact design only 9.5 mm in height
- MIL-STD-810F and NEBS Level 3 compliant
- Advanced purge features that comply with government security guidance
- 7 year warranty

Zeus 2.5-inch PATA Solid State Drive

Rugged memory and mass storage solutions

MemTech's Zeus 2.5-inch PATA Solid State Drive is a high-capacity, high-throughput, rugged memory and mass storage solution for mission-critical systems in a variety of industries. It is used as a drop-in replacement for standard rotating PATA hard disk drives.

Specifications

Capacity:

Unformatted 4GB - 64 GB

Compatibility: ANSI-INCITS 361-ATA-6; ANSI-INCITS 340-ATA-5; ANSI-INCITS 317-ATA-;

ANSI-X3.298-1997-ATA-3; ANSI-X3.279-1996-ATA-2

Performance:

Sustained Read/Write (MB/s) 20, 30, 40

Physical:

Form factor 2.5-inch

Dimensions (mm) 100.2 (L) x 69.8 (W) x 9.5 (H)

Weight < 0.2 kg

Environmental:

Operating temperature Commerical: 0° C to + 70° C

Industrial: -40° C to +85° C

Storage temperature -55° C to +95° C

Humidity 5% to 95% relative, non-condensing

Operating altitude (maximum) 80,000 feet

Operating shock 1,500G, MIL-STD-810F

Operating vibration 16.3G RMS, MIL-STD-810F (random, 20Hz to 2000 Hz; 3 vibration axes)

Specifications (continued)

Power:

Input voltage $5VDC \pm 5\%$

Typical consumption Idle/standby: 2.2 W

> Sustained read/write: 2.2 W Sanitize: 3.1 W

Compliance: CE, UL, EN 55022 Class, CISPR 22 Class B, AS/NZS 3548 Class B, BSMI CNS 13438 Class B,

CAN/CSA-V-3/2001.04 (VCCI), FCC Part 15 Class B, EN 61000-3-2, EN 61000-3-3, IEC 61000,

MIL-STD-167-1, MIL-STD-810F, MIL-STD-901D

Purge Features:

BasicPurge™ Erase solid state drive

RapidPurge™ Erase solid state drive in seconds

MilPurge™ Erase solid state drive in compliance with security guidance (DoD 5220.22-M, NSA 130-2,

AFSSI 5020, AR 380-19, and Navso 5239)

Intelligent Destructive Purge™ Physically damages the flash media to make it totally unusable as media

User Interface & Configuration:

Interface 16-bit

Master/Slave mode Jumper-selectable

ATA transfer modes PIO 0-4, DMA 0-2, UDMA 0-5 Firmware upgrade Field upgrade capability

Format Low-level format at factory; shipped with NTFS format

Drivers None required

Warranty: 7 years

Customization: Form factor

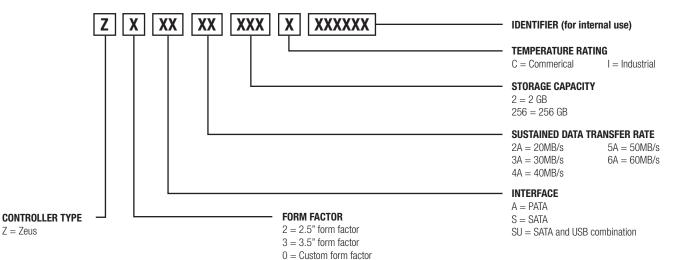
Sustained read/write throughput

Storage capacity Purge features Conformal coating

Manufacturing: Santa Ana, CA, United States

ISO 9001-2000 Certified

Ordering Information





Z = Zeus

2107 North First Street San Jose, CA 95131 Main: (408) 452-1277 Fax: (408) 452-7936 Toll free: (800) 445-5511 www.memtech.com info@memtech.com R1894

