



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

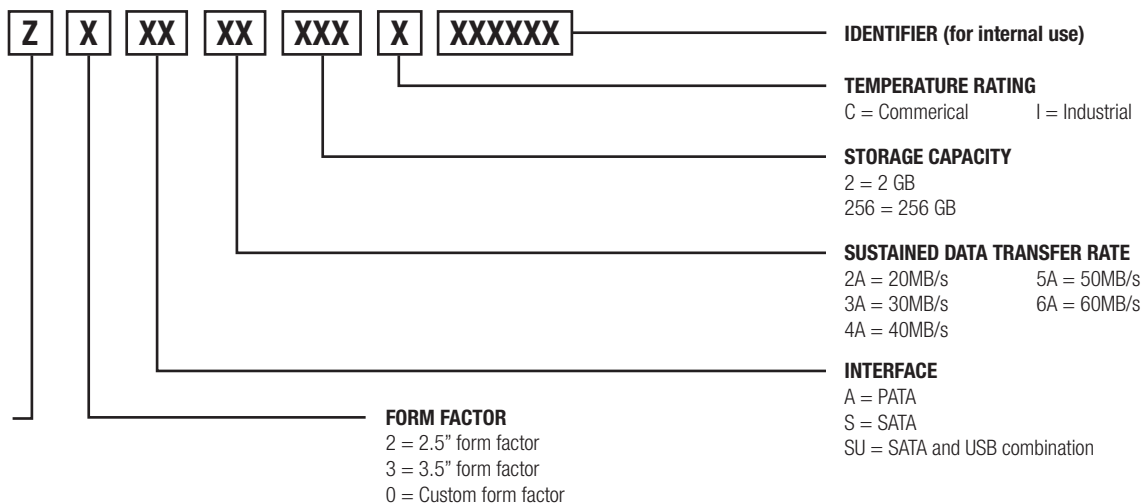
Customization:

Form factor
Sustained read/write throughput
Storage capacity
Purge features
Conformal coating

Manufacturing:

Santa Ana, CA, United States
ISO 9001-2000 Certified

Ordering Information



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

STEC:

[Z2A2A32C](#) [Z2A2A32I](#) [Z2A4A8C](#) [Z2A3A12C](#) [Z2A3A12I](#) [Z2A4A16C](#) [Z2A3A24C](#) [Z2A4A16I](#) [Z2A3A24I](#)