MEMTECH
A Division of SimpleTech

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.

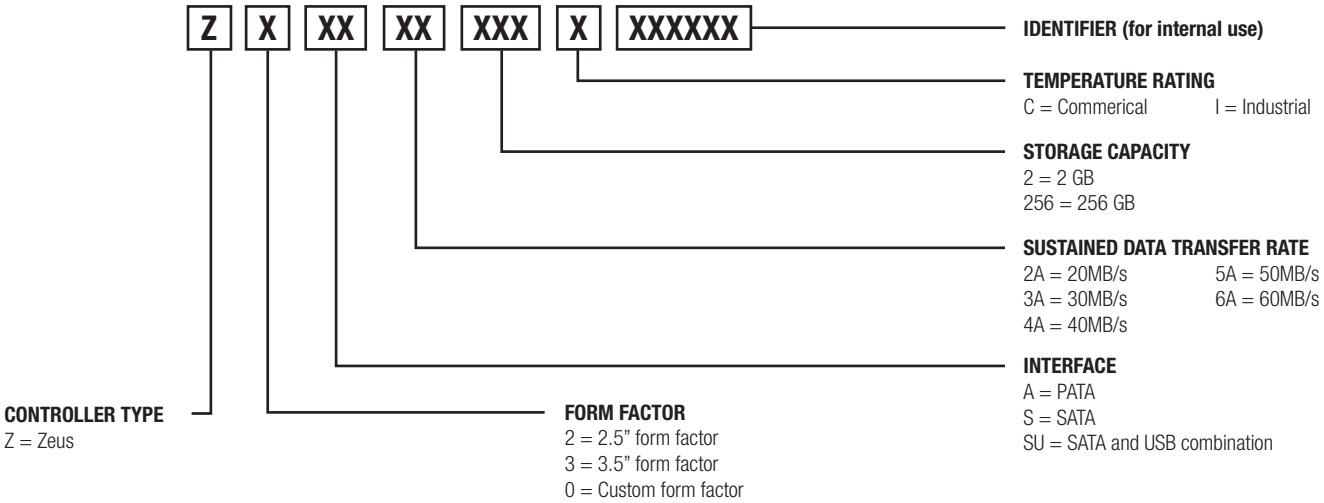
Specifications

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 ± 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



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STEC:

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