



Features

- ATA & Serial ATA Interfaces
- Sustained data rates to 55 MB/s
- Standard capacities to 128GB
- Compact design - only 9.5mm in height for capacities up to 64GB
- Non-volatile flash memory, no moving parts
- Drop-in replacement for mechanical hard drives, no drivers required
- Built and tested to MIL-STD-810
- Advanced secure erase features that comply with government security guidance
- Low power consumption
- Custom form factors available
- 5 year warranty

Zeus 2.5-inch ATA & SATA Solid State Drives

Industrial Grade Solid State Storage

STEC's family of Zeus Solid State Drives (SSD) are rugged, high-capacity, and high-thoroughput memory and mass storage solutions for mission-critical systems in a variety of industries. Applications include data recording devices, oil pipeline inspection guides, industrial automation robots and scientific equipment.

Leading military and aerospace corporations count on Zeus SSDs to provide outstanding performance in the harshest of environmental conditions. Zeus SSDs greatly reduce data access times compared to rotating media and STEC's proprietary stacking technology delivers unmatched package density with up to 64GB of capacity in just 9.5mm of case height.

STEC is the right partner for reliable, industrial grade SSDs providing an industry leading range of features that are designed to meet the specific needs of our customers, including different form factors, interfaces, data throughputs, capacities, environmental specifications, and secure-erase features.



Specifications

Environmental:

Operating temperature	Commercial: 0o C to + 70o C / Industrial: -40o 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)

Power:

Input voltage	5VDC ± 5%
Typical consumption	Idle/standby: 1.0 W
	Sustained read/write: 2.2 W
	Sanitize: 3.1 W

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:

ATA	PIO 0-4, DMA 0-2, UDMA 0-5 Master/Slave mode: User-selectable
SATA	Serial ATA 1.0a specification SATA 1.5 gigabits per second

Warranty:

5 years

Customization:

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

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

Product Key Information

Capacity (GB)	ATA P/N	SATA P/N	Dimensions	Performance (Read/Write - MB/s)
8	Z4A28T	Z4S28T	100.2mm (l) x 69.8mm (w) x 9.5 (h)	40/26
12	Custom	Z6S212T	100.2mm (l) x 69.8mm (w) x 9.5 (h)	50/40
16	Z4A28T	Z4S216T	100.2mm (l) x 69.8mm (w) x 9.5 (h)	40/26
24	Custom	Z6S224T	100.2mm (l) x 69.8mm (w) x 9.5 (h)	50/40
32	Z4A28T	Z4S232T	100.2mm (l) x 69.8mm (w) x 9.5 (h)	40/26
48	Custom	Z6S248T	100.2mm (l) x 69.8mm (w) x 9.5 (h)	50/40
64	Z4A28T	Z4S264T	100.2mm (l) x 69.8mm (w) x 9.5 (h)	40/26
80	Custom	Z8S280T	100.2mm (l) x 69.8mm (w) x 14.5 (h)	55/55
128	Custom	Z8S2128T	100.2mm (l) x 69.8mm (w) x 14.5 (h)	55/55

*Where 'T' represents temperature: C for commercial / I for Industrial

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