



EMBEDDED Solid State Drives

INDUSTRIAL GRADE STORAGE SOLUTIONS

As serial ATA continues replacing parallel ATA in industrial and embedded system designs, the need for small-format storage designs supporting SATA will become increasingly important. With its industry-standard SATA interface, small footprint, and high performance, STEC's line of Embedded SSDs make an attractive hard disk drive replacement for many industrial/embedded applications.

As with all of STEC's solid state storage solutions, the benefits of Embedded SSDs over rotating media includes lower power consumption, lower latency, higher reliability (as a result of no moving parts), and smaller footprint enabling smaller embedded system designs.

Embedded SSD Features

- JEDEC and SATA-IO Compliant for greatest compatibility
- Industry standard formats with multi-channel flash support
- Industrial Grade controllers designed for highest reliability
- Built-in Wear Leveling and Block Management for ultra-high endurance
- Data integrity assured via independent ECC engines
- Compact designs with low power consumption
- Commercial and Industrial Operating Temperature Range
- Full RoHS 6/6 compliance

Specifications

Product Type	SlimSATA	CFast
Capacity	up to 64 Gbytes	up to 32 Gbytes
Interface	SATA (22pin)	SATA (24pin)
Performance (Sustained)	Up to 138MB/s (Read) Up to 130MB/s (Write)	Up to 138MB/s (Read) Up to 130MB/s (Write)
Physical	2.13 in (L) x 1.53 in (W) x 0.15 in (H) 54.0mm (L) x 39.0mm (W) x 4.0mm (H)	1.43 in (L) x 1.68 in (W) x 0.14 in (H) 36.4mm (L) x 42.8mm (W) x 3.6mm (H)
Environmental	0° to 70°C (Commercial) -40° to 85°C (Industrial)	0° to 70°C (Commercial) -40° to 85°C (Industrial)
Compliance	RoHS-6, UL 60950, FCC – Class B for Information Technology, CE – EN 55022/55024 SATA 2.6, MO-297 (Slim SATA)	SATA 2.6, CFast™ 1.0 (CFast™)

STEC: Empowering our partners through Quality, Reliability and Innovations

For more information on our products, solutions and technology, please visit our website at www.stec-inc.com. Or call
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