

MEMTECH Solid State Flash Drives



"Memtech takes storage to the extreme with its ultra rugged and reliable solid state flash drives. Featuring the Kicker™ Hold Up Circuit for unparalleled data security, high write endurance, low profile and cached speeds to deliver high quality solid state flash drive solutions. Its drive products are designed for low power consumption in critical operating conditions, built to withstand extreme temperature, pressure, moisture, shock, vibration and power loss.

Memtech drives are completely solid state, with no moving parts, so there is no mechanism for mechanical wear-out. No special drivers or flash file managers are required to interface the drives. Each drive is warranted for 8 years and goes through a rigorous five-step EnduroTest™ procedure.

Memtech drives have been used in combat aircrafts, locomotives, drilling rigs, high altitude balloons, the Space Shuttle and Mars Rover, and in extreme conditions, including in Antarctica, Mount Everest, and for earthquake and undersea exploration.



WOLVERINE IDE

The Wolverine solid-state flash drive is an UDMA-66 compliant IDE memory module offered in an extremely low profile form-factor. The primary storage media in the drive is sector-erasable NAND E2PROMs (Flash). Using these devices, Memtech is able to deliver uncompressed, non-volatile solid-state storage in an extremely small, rugged form-factor.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Cached Read Rate (Mb/s)	Cached Write Rate (Mb/s)	Average Access (ms)	Burst Rate (Mb/s)	Operating Vibration (G)	Erase/Write Cycle Endurance	Operating Temperature (°C)	Price Each
885-AT2550i-1024	AT2550i-1024	2.5"	1GB	26	20	0.1	66	15	8 mil	-40 to 85	607.20
885-AT2550i-2048	AT2550i-2048	2.5"	2GB	26	20	0.1	66	15	8 mil	-40 to 85	923.22
885-AT2550i-4864	AT2550i-4864	2.5"	4.8GB	26	20	0.1	66	15	8 mil	-40 to 85	1,414.40
885-AT2550i-8704	AT2550i-8704	2.5"	8.7GB	26	20	0.1	66	15	8 mil	-40 to 85	1,884.96
885-AT3550i-2048	AT3550i-2048	3.5"	2GB	26	20	0.1	66	20	8 mil	-40 to 85	1,010.48
885-AT3550i-4096	AT3550i-4096	3.5"	4GB	26	20	0.1	66	20	8 mil	-40 to 85	1,245.76
885-AT3550i-6144	AT3550i-6144	3.5"	6GB	26	20	0.1	66	20	8 mil	-40 to 85	1,791.58
885-AT3550i-10240	AT3550i-10240	3.5"	10GB	26	20	0.1	66	20	8 mil	-40 to 85	2,985.52

MUSTANG IDE

The Mustang is the largest capacity 1.8" IDE drive available today. Drives are 100% IDE compatible. It employs sector erasable NAND E2PROMs (Flash) to deliver uncompressed, non-volatile solid state storage in an extremely small, rugged form factor. The drive is implemented using a custom IDE Flash controller with an integrated error detection and correction mechanism and proprietary remapping and wear-leveling technology to greatly improve data reliability. It is ideal for hand-held, portable or embedded applications. Advanced PIO modes and multi sector transfer modes are supported, as well as LBA addressing.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Transfer Read Rate (Mb/s)	Transfer Write Rate (Mb/s)	Random Seek (ms)	Operating Vibration (G)	Operating Shock (G)	Operating Temperature (°C)	Price Each
885-AT1830i-256	AT1830i-256	1.8"	256MB	4	3.5	0.4	15	1000	-40 to 85	153.36
885-AT1830i-512	AT1830i-512	1.8"	512MB	4	3.5	0.4	15	1000	-40 to 85	214.42
885-AT1830i-2048	AT1830i-2048	1.8"	2GB	4	3.5	0.4	15	1000	-40 to 85	575.46

BULLDOG IDE

The AT2515 is a low cost solid-state flash drive in an extremely compact low profile form-factor and exceptional speed. It is completely solid state, with no moving parts. Drives are 100% IDE compatible. The drive is implemented using a custom IDE Flash controller with multi-tasking technology. An integrated 72-bit Reed-Solomon error detection and correction mechanism and proprietary remapping and wear-leveling technology along with a power hold-up circuit greatly improve data reliability. Its cost effectiveness and low-power operation make it ideal for applications requiring high reliability at a low cost.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Sequential Read Rate (Mb/s)	Sequential Write Rate (Mb/s)	Burst Rate (Mb/s)	Operating Vibration (G)	Operating Shock (G)	Operating Temperature (°C)	Price Each
885-AT2515-256	AT2515-256	2.5"	256MB	6	6	16.6	15	1000	0 to 70	109.34
885-AT2515-512	AT2515-512	2.5"	512MB	6	6	16.6	15	1000	0 to 70	127.80
885-AT2515-1024	AT2515-1024	2.5"	1GB	6	6	16.6	15	1000	0 to 70	204.48
885-AT2515-2048	AT2515-2048	2.5"	2GB	6	6	16.6	15	1000	0 to 70	280.14
885-AT2515-4096	AT2515-4096	2.5"	4GB	6	6	16.6	15	1000	0 to 70	434.70
885-AT2515-6144	AT2515-6144	2.5"	6GB	6	6	16.6	15	1000	0 to 70	590.64
885-AT2515-8192	AT2515-8192	2.5"	8GB	6	6	16.6	15	1000	0 to 70	869.40
885-AT3515-256	AT3515-256	3.5"	256MB	6	6	16.6	15	1000	0 to 70	109.34
885-AT3515-512	AT3515-512	3.5"	512MB	6	6	16.6	15	1000	0 to 70	127.80
885-AT3515-1024	AT3515-1024	3.5"	1GB	6	6	16.6	15	1000	0 to 70	204.48
885-AT3515-2048	AT3515-2048	3.5"	2GB	6	6	16.6	15	1000	0 to 70	280.14
885-AT3515-4096	AT3515-4096	3.5"	4GB	6	6	16.6	15	1000	0 to 70	434.70
885-AT3515-6144	AT3515-6144	3.5"	6GB	6	6	16.6	15	1000	0 to 70	590.64
885-AT3515-8192	AT3515-8192	3.5"	8GB	6	6	16.6	15	1000	0 to 70	869.40

STINGER SCSI

The Stinger series is a line of 100% compatible SCSI solid state drives. The Stinger series employs sector erasable NAND E2PROMs (Flash) to deliver uncompressed, non-volatile solid state storage in an extremely small, rugged form factor. Hundreds of transactions occur per second, which is critical in server and high I/O applications. The interface is implemented using a commercially available SCSI peripheral controller with a caching SRAM buffer and a Reed-Solomon error detection and on-the-fly correction mechanism that greatly improves data reliability over other drives. The ECC circuitry, in conjunction with Memtech's proprietary Active Remap™ technology, makes for a virtually bulletproof medium for data storage. All Direct Access Device commands, as well as synchronous data transfers are supported.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Transfer Read Rate (Mb/s)	Transfer Write Rate (Mb/s)	Average Access (ms)	Media Transfer Rate (Mb/s)	Operating Vibration (G)	Operating Shock (G)	Operating Temperature (°C)	Price Each
885-SC2500-256	SC2500-256	2.5"	256MB	1.5	700	0.3	5	15	1000	0 to 70	251.34
885-SC2500-512	SC2500-512	2.5"	512MB	1.5	700	0.3	5	15	1000	0 to 70	301.04
885-SC2500-2028	SC2500-2028	2.5"	2GB	1.5	700	0.3	5	15	1000	0 to 70	666.54

SIDEWINDER SCSI

The Sidewinder is a modular, high performance solid state flash drive, designed for implementation on systems conforming to the SCSI-2 standard. Composed of a large array of 1 Gbit NAND E2PROM memories, the Sidewinder series can emulate the storage and retrieval operations of a standard rotating drive, but with faster access, throughput, ruggedness and reliability. The drives can be used in applications with harsh operating conditions critical reliability. All control functions are monitored by the on-board microprocessor. The SCSI-2 interface is implemented using a QLogic FAS209 SCSI controller. The unit responds to all Direct-Access device commands. Data integrity is maintained by error detection logic and Memtech's proprietary Active Remap(TM) technology. Active termination is jumper selectable, as is the unit's SCSI ID.

For quantities of 10 and up, call for quote.

MOUSER STOCK NO.	MemTech Part No.	Size	Capacity	Transfer Read Rate (Mb/s)	Transfer Write Rate (Mb/s)	Average Access (ms)	Media Transfer Rate (Mb/s)	Operating Vibration (G)	Operating Shock (G)	Operating Temperature (°C)	Price Each
885-SC35-1024	SC35-1024	3.5"	1GB	2.3	1	0.5	8	10	500	0 to 70	554.76
885-SC35-2048	SC35-2048	3.5"	2GB	2.3	1	0.5	8	10	500	0 to 70	794.88
885-SC35-4096	SC35-4096	3.5"	4GB	2.3	1	0.5	8	10	500	0 to 70	1,273.74

Memory

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