

AT2515 Bulldog 2.5" IDE Solid State Drive



- 128Mbyte to 8 Gbyte uncompressed capacity
- Full -40°C to +85°C industrial temperature range
- Low profile 2.5" drive form-factor
- Standard 44 pin, 2 mm IDE interface
- PIO Mode-4 and DMA Mode-2 support
- 72-bit ECC for exceptional data reliability
- 5 volt, low power operation
- Completely solid state - no moving parts
- 1000G operating shock, 15G operating vibration
- 6 Mbytes/sec sustained Read throughput
- 6 Mbytes/sec sustained Write throughput
- 10 year data integrity



The AT2515 is an entry-level low cost solid-state flash drive, with a maximum capacity of 8 Gbyte in an extremely compact low profile 2.5" form-factor. It is completely solid state, with no moving parts. This contributes to the unit's exceptional ruggedness and wide operating temperature range; with no moving parts, there is no mechanism for mechanical wear-out. Being 100% IDE compatible, no special drivers or flash file managers are required. It is a virtual drop in replacement for standard rotating media.

The AT2515 employs sector erasable NAND E²PROMs (Flash) to deliver up to 8 Gbytes of uncompressed, non-volatile solid state storage in an extremely small, rugged form factor. Sequential sustained data throughput is up to 6 Mbytes/sec for reads and 6 Mbytes/sec for writes. The drive supports up to PIO Mode-4 and DMA Mode-2 bus access, multi-sector transfers, as well as LBA addressing. It is 100% IDE compatible and requires no special drivers to operate

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 the AT2515 ideal for applications requiring high reliability at a low cost up to 8 Gbytes of data storage.

The drive is available in a number of standard capacities from 128 to 8 Gbyte. Please contact the factory for specific size availability.

