

Sidewinder AIT Drives

Fast Wide SCSI-2 Interface



**50-Gbyte capacity
high-performance
tape drive**

**Sidewinder 50
up to 50 Gbytes
AIT-1
STA15000W
STA25000W
STA65000W**

3.5-inch internal
5.25-inch internal
External

Capacity¹

170 Meter Tape	Compressed (Gbytes) ²	50
	Native (Gbytes)	25

Performance¹

Transfer Rate	Native/Compressed (Mbytes/sec)	3.0/6.0
Tape Speed (in/sec, mm/sec)		0.8/20.3
Head-to-Tape Speed (in/sec, mm/sec)		395/10,030
Search/Rewind Speed (× normal speed)		60/120
Average Access Time (secs)		<55
	with MIC (secs)	27
Buffer (Mbytes)		4
EEPROM		Flash
Recording Method		AIT-1 of ECMA-246

Reliability/Data Integrity

MTBF (20% duty cycle)	Internal/External (power-on hours)	200,000
Error Rate (bits)		<1 per 10 ¹⁷
Limited Warranty (years)		2
MTTR		<30 minutes

Power Requirements

Internal +5V/+12V (amps typ)		1.55/0.35
Watts (typ)	Internal	12
	External	21
External (VAC universal)		100 to 240

Environmental

Operating Temperature	Internal (°C)	5 to 40
	External (°C)	5 to 40
Nonoperating Temperature (°C)		-40 to 70
Relative Humidity (% noncondensing)		20 to 80
Wet Bulb Temperature (°C)		26

Internal Drive Form Factor

3.5-inch × half-height or 5.25-inch × half-height (1.7 inch)

External Drive Form Factor

Stand-alone unit with integrated power supply

AIT Media Options

Standard Media
16K MIC (Memory In Cassette) Media
Cleaning Cartridge

Controller Interface

Interface Format: Fast Wide SCSI-2
Transmission: Single-Ended, async/sync

Product Certification

UL1950; FCC Class B; CSA22.22; No.950-89; TUV EN 60 950, CE

Unique optimal
Memory In Cassette
(MIC) to enhance
data management
and access

Compressed transfer
rates up to 6.0
Mbytes per second

Read-after-write,
four-head design

High-performance
4-Mbyte buffer

Adaptive Lossless
Data Compression
(ALDC) for high
efficiency

Capacity calculated at 1 Gbyte = 1 billion bytes

1. Capacity and data transfer rates are data dependent.
2. Assuming a 2:1 compression ratio.



Corporate Headquarters

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