

AIT-4 Preliminary Specifications

(Currently Unreleased Product, Expected Release Mid-2004)

TECHNOLOGY	
DRIVE TYPE	3.5" half-height tape drive
INTERFACE	Ultra160 Wide SCSI LVD/SE
RECORDING METHOD	Helical-Scan
DATA COMPRESSION	Adaptive Lossless Data Compression (ALDC)
MEMORY-IN-CASSETTE	64 Kbit Remote Sensing (R-MIC)
LINEAR RECORDING DENSITY	203,000 BPI
RECORDING BLOCK LENGTH	Variable or Fixed
CAPACITY AND PERFORMANCE	
MAX CAPACITY	200 GB (native), 520 GB (compressed)*
SUSTAINED TRANSFER RATE	24 MB/s (native), 62.4 MB/s (compressed)*
BURST TRANSFER RATE	Synchronous: 160 MB/s (max)
AVERAGE MEDIA LOAD TIME	14 seconds
AVERAGE ACCESS TIME	52 seconds
SEARCH/REWIND SPEED	122 inch/s maximum
DRUM ROTATIONAL SPEED	8,506 RPM
BUFFER SIZE	96 MB
RELIABILITY**	
ERROR RATE	Less than 10^{-17} bits
MTBF	400,000 hours at 100% duty cycle
R/W HEAD LIFE	50,000 tape contact hours
MEDIA USES	30,000
MEDIA	
PHYSICAL CHARACTERISTICS	8mm, dual-reel cartridge w/ R-MIC
MEDIA TYPE	Advanced Metal Evaporated (AME)
ENVIRONMENT	
VIBRATION (OPERATING)	0.25G peak, half sine wave of 5 to 500 Hz (swept)
ALTITUDE	Up to 10,000 feet
OPERATING	40°F to 104°F (5°C to 40°C), 20% to 80% RH (non-condensing)
STORAGE	-40°F to 158°F (-40°C to 70°C), 5% to 95% RH (non-condensing)
MAXIMUM WET BULB TEMP	<113°F (<45°C)
POWER REQUIREMENTS	DC 5 V +/-5%, DC 12 V +/-10%
POWER CONSUMPTION	22 watts (average)
DIMENSIONS (WxHxD)	4.0 x 1.62 x 6.10 inches (101.6 x 41.1 x 154.9 mm)
WEIGHT	1 lb, 11 oz (740 g)
WARRANTY	3 year limited warranty

Specifications subject to change without notice.

*Assuming 2.6:1 compression with ALDC

**MTBF, head life and media use specifications are averages based on normal office environmental conditions. Actual experience may vary.