

SAIT-1 Specifications

TECHNOLOGY		
DRIVE TYPE	5.25" full-height tape drive	
MODEL NUMBERS	SDZ-100	Internal SCSI SAIT-1 Drive
	SDZ-S100	External SCSI SAIT-1 Drive
	SDZ-130	Internal Fibre SAIT-1 Drive
	SDZ-S130	External Fibre SAIT-1 Drive
INTERFACE	Ultra 160 Wide SCSI/Fibre Channel	
RECORDING METHOD	Helical-Scan	
DATA COMPRESSION	Adaptive Lossless Data Compression (ALDC)	
MEMORY-IN-CASSETTE	64 Kbit Remote-Sensing MIC (R-MIC)	
LINEAR RECORDING DENSITY	155,000 BPI	
RECORDING BLOCK LENGTH	Variable or Fixed	
CAPACITY AND PERFORMANCE		
CAPACITY	500 GB (native), 1.3 TB (compressed)*	
SUSTAINED TRANSFER RATE	30 MB/s (native), 78 MB/s (compressed)*	
BURST TRANSFER RATE	Asynchronous: 12 MB/s (max)	
	Synchronous:	SCSI: 160 MB/s (max) Fibre: 2Gbps
AVERAGE MEDIA LOAD TIME	23 seconds	
AVERAGE ACCESS TIME	70 seconds	
SEARCH SPEED	394 inches/s maximum	
REWIND SPEED	551 inches/s maximum	
DRUM ROTATIONAL SPEED	5,000 RPM	
BUFFER SIZE	72 MB	
RELIABILITY**		
ERROR RATE	Less than 10 ⁻¹⁷ bits	
MTBF	500,000 hours at 100% duty cycle	
R/W HEAD LIFE	50,000 tape contact hours	
MEDIA USES	30,000 end-to-end passes	
MEDIA		
PHYSICAL CHARACTERISTICS	600m half-inch single-reel cartridge with R-MIC	
MEDIA TYPE	Advanced Metal Evaporated (AME)	
MODEL NUMBERS	SAIT1-500	600 meter 500 GB AME SAIT-1 data cartridge
	SAIT1-CL	SAIT Cleaning Cartridge
ENVIRONMENT		
VIBRATION (OPERATING)	0.25 G peak swept sine wave of 5 to 500 Hz	
ENVIRONMENTAL	Altitude: up to 10,000 feet	
	Temperature:	
	Operating: 41°F to 104°F (5°C to 40°C)	
	Storage: -40°F to 158°F (-40°C to 70°C)	
	Operating Humidity: 20% to 80% (non-condensing)	
POWER REQUIREMENTS	DC 5 V +/-5%, DC 12 V +/-10% (internal)	
POWER CONSUMPTION	25 watts (average), 50 watts (max., internal)	
DIMENSIONS (WxHxD)	5.75 x 3.25 x 11.82 inches (internal)	
WEIGHT	6 lbs, 10 oz (internal)	
LIMITED WARRANTY	3 year limited warranty	

*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.