

AIT Library LIB-81

SONY

The Sony Advanced Intelligent Tape (AIT) Library LIB-81 System offers the unbeatable combination of capacity and compactness. It stores up to 2.08 TB* (when using AIT-3 drive(s) at 2.6:1 compression with ALDC) and delivers high data transfer rates. The AIT format's proven reliability and robust robotics (> 1,000,000 cartridge changes) ensure long-lasting performance. Configure your Sony AIT Tape Library LIB-81 with either an AIT-1, AIT-2, or AIT-3 tape drive to balance performance and value.

LIB-81



Storage by Sony™

KEY FEATURES AND BENEFITS

UNIQUE 8 CARTRIDGE INTERNAL CAROUSEL CONFIGURATION

Offers high capacity—Up to .28 TB* native, .72 TB compressed** with AIT-1; up to .40 TB native, 1.04 TB compressed** with AIT-2; and up to .08 TB native, 2.08 TB compressed** with AIT-3

LOW PROFILE 1U DESIGN

Ideally suited for rack mount environments and data centers.

MEMORY-IN-CASSETTE (MIC)

Fast data access and archiving.

USER-FRIENDLY SET UP AND OPERATION, INCLUDING REMOTE MONITORING THROUGH BACKUP SERVER

Offers flexible management of unattended backup.

IS THIS SOLUTION RIGHT FOR YOU?

1. HOW MUCH BACKUP CAPACITY DO YOU NEED?

The Sony AIT LIB-81 System offers up to .28 TB* native, .72 TB compressed** with AIT-1; up to .40 TB native, 1.04 TB compressed** with AIT-2; and up to .08 TB native, 2.08 TB compressed** with AIT-3.

2. WHAT TYPE OF SERVER INTERFACE ?

The Sony AIT LIB-81 System features Ultra Wide SCSI LVD in the AIT-1 and AIT-2 tape drive models and Ultra 160 Wide SCSI LVD in the AIT-3 tape drive model for high throughput and broad compatibility.

3. DO YOU HAVE NEAR-LINE STORAGE NEEDS?

Sony AIT LIB-81 Systems are well suited to near-line storage. They incorporate memory-in-cassette (MIC) technology, which enables fast access to data.

4. WOULD YOU BE INTERESTED IN A SCALABLE, COMPACT, EXTREMELY RELIABLE TAPE STORAGE SOLUTION?

The Sony AIT LIB-81 System meets these requirements and is tested, proven, and backed by Sony.

*TB means one trillion bytes when referring to tape cartridge capacity. Capacity may vary.

**2.6:1 compression with ALDC

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SPECIFICATIONS

PART NUMBER	LIB-81/A1	LIB-81/A2	LIB-81/A3
DRIVE TYPE	AIT-1 Tape Drive	AIT-2 Tape Drive	AIT-3 Tape Drive
CAPACITY	0.28 TB* native, 0.73 TB* compressed**	0.4 TB* native, 1.04 TB* compressed**	0.8 TB* native, 2.08 TB* compressed**
NUMBER OF CARTRIDGES	8	8	8
INTERFACE/CONNECTORS	Ultra Wide SCSI LVD/SE/68 Pin	Ultra Wide SCSI LVD/SE/68 Pin	Ultra160 Wide SCSI LVD/SE/68 Pin
SUSTAINED TRANSFER RATE	4 MB/s native 10.4 MB/s compressed**	6 MB/s native 15.6 MB/s compressed**	12 MB/s native 31.2 MB/s compressed**
BURST TRANSFER RATE	Asynchronous: 12.0 MB/s (max) Synchronous: 40.0 MB/s (max)	Asynchronous: 12.0 MB/s (max) Synchronous: 40.0 MB/s (max)	Asynchronous: 12.0 MB/s (max) Synchronous: 160 MB/s (max)
GB/HOUR TRANSFER RATE	14.4 (max.) GB per hour native 37.4 (max.) GB per hour compressed**	21.6 (max.) GB per hour native 56.1 (max.) GB per hour compressed**	43.2 (max.) GB per hour native 112.3 (max.) GB per hour compressed**
CARTRIDGE ACCESS TIME	< 10 seconds	< 10 seconds	< 10 seconds
RECORDING METHOD	Advanced 8mm Helical Scan	Advanced 8mm Helical Scan	Advanced 8mm Helical Scan
DRUM ROTATIONAL SPEED	6,400 RPM	6,400 RPM	6,000 RPM
BUFFER SIZE	10 MB	10 MB	18 MB
ERROR RATE	Less than 10 ⁻¹⁷ bits	Less than 10 ⁻¹⁷ bits	Less than 10 ⁻¹⁷ bits
RELATIVE HUMIDITY	20 – 80% (non-condensing, operating)	20 – 80% (non-condensing, operating)	20 – 80% (non-condensing, operating)
OPERATING TEMP	50°F to 95°F (10°C to 35°C)	50°F to 95°F (10°C to 35°C)	50°F to 95°F (10°C to 35°C)
NON-OPERATING TEMP	-40°F to 140°F (-40°C to 60°C)	-40°F to 140°F (-40°C to 60°C)	-40°F to 140°F (-40°C to 60°C)
DIMENSIONS (WxHxD)	16.9 x 1.7 x 25.9 inches	16.9 x 1.7 x 25.9 inches	16.9 x 1.7 x 25.9 inches
WEIGHT	29.76 lbs (1 drive and no cartridges)	29.76 lbs (1 drive and no cartridges)	29.76 lbs (1 drive and no cartridges)
ROBOTICS MSBF	>1,000,000	>1,000,000	>1,000,000
DRIVE MTBF***	>300,000 Power on Hours at 100% duty cycle	>300,000 Power on Hours at 100% duty cycle	>400,000 Power on Hours at 100% duty cycle
HEAD LIFE***	>50,000 hours	>50,000 hours	>50,000 hours
MEDIA USE***	>30,000 passes or approx. 30 years	>30,000 passes or approx. 30 years	>30,000 passes or approx. 30 years
MEDIA COMPATIBILITY	AIT-1 25 GB SDX1-25C AIT-1 35 GB SDX1-35C	AIT-1 25 GB SDX1-25C AIT-1 35 GB SDX1-35C AIT-2 36 GB SDX2-36C AIT-2 50 GB SDX2-50C	AIT-1 25 GB SDX1-25C AIT-1 35 GB SDX1-35C AIT-2 36 GB SDX2-36C AIT-2 50 GB SDX2-50C AIT-3 100 GB SDX3-100C
MEDIA TYPE	Advanced Metal Evaporated (AME)	Advanced Metal Evaporated (AME)	Advanced Metal Evaporated (AME)
SOFTWARE AND PLATFORM COMPATIBILITY	Refer to www.storagebysony.com for a complete list of software and platform compatibility	Refer to www.storagebysony.com for a complete list of software and platform compatibility	Refer to www.storagebysony.com for a complete list of software and platform compatibility
LIMITED WARRANTY	3 year limited warranty, on-site service options	3 year limited warranty, on-site service options	3 year limited warranty, on-site service options
OPTIONAL ACCESSORIES (not included)	19" Standard Rack Mount Kit (ACY-RK81) Replacement Air Filter (ACY-FL81)	19" Standard Rack Mount Kit (ACY-RK81) Replacement Air Filter (ACY-FL81)	19" Standard Rack Mount Kit (ACY-RK81) Replacement Air Filter (ACY-FL81)

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**2.6:1 compression with ALDC

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

Actual experiences may vary.

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