8000 SERIES
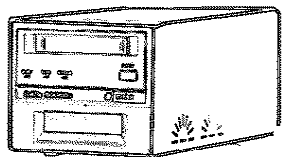

4mm drive backup systems with choice of high performance DAT drives for up to 24GB storage and 140MB/minute transfer rates. Ingetrated LCDs on some models.

HIGH PERFORMANCE DAT DRIVE BACKUP SYSTEMS

The ADIC DATa 8000™ Series backup systems provide a choice between the latest high performance, high capacity 4mm DAT drives for high reliability backup of workstations and local area networks. ADIC DATa 8000 systems feature built-in data compression, high capacity, fast transfer rates and small cartridge size. Drive options include DDS-2 format and the new Sony SDT-9000 DDS-3 drive with transfer rates of up to 140/MB[1] minute—the highest 4mm throughput in the industry.

ADIC's DATa 8000 Series offers the latest Digital Data Storage technology including DCLZ data compression, read-after-write C3 error correction, and a per-cartridge capacity up to of 24 gigabytes with average 2:1 compression.

- Up to 24GB per-cartridge capacity with less than 45-second average file access

- Up to 140MB/minute transfer speed—60% faster than standard 4mm drives

- Read-after-write C3 error-correction for error rate of less than 1 in 10^{15} bits

- Unattended backup support with all leading applications software

- Over 200,000 hours drive MTBF

HIGH-SPEED TRANSFER RATES

The ADIC DATa 8000 Series provides the speed to perform complete backups of small networks within today's shrinking back-up windows. The DATa 8008 and 8008ED provide up to 44MB/minute and 93MB/minute transfer rates respectively. The DATa 8024D offers up to 140MB/minute transfer rate, 60% faster than standard 4mm drives. High search speeds (200 times normal read/write speeds) allow random file access times of less than 45 seconds. DATa 8008ED and 8024D models provide status information about your data by adding an integrated LCD display to the normal drive LEDs.

STORAGE FOR GROWING LANs

Because ADIC DATa 8000 Series drives meet all SCSI-2 (Small Computer System Interface) standards, growth is simple. When your system outgrows your DATa 8000 Series system, simply "daisy chain" a second DATa 8000 Series drive to it. Or add an ADIC DAT Library.

WITH DDS COMPATIBILITY

The DATa 8008 and 8008ED use 120-meter DDS-2 cartridges but will read and write to DDS-1 tapes at DDS-1 performance levels. The DATa 8024D use 125-meter DDS-3 cartridges but will read and write to DDS-2 or DDS-1 tapes

at their respective performance levels. And, of course, all tapes created on the DATa 8008, 8008ED or 8024D can be read and used on any ADIC library system equipped with the same drive type.

4mm DDS cartridges do not require time-consuming pre-formatting or retensioning. Their small size, 3/8" thick and about the size of a credit card, makes them easy to transport and store.

SUPPORT FOR NETWARE, WINDOWS NT, MACINTOSH, UNIX

ADIC DATa 8000 Series backup systems are supported by all of the leading applications software packages for the major network operating systems. Support includes all of the major server-based NLM packages for NetWare, and for the major Windows NT and Macintosh packages. UNIX support includes SCO UNIX, IBM AIX, SunOS and Sun Solaris, HP UX, DEC ULTRIX, Silicon Graphics, and AT&T/NCR UNIX.

[1] *Capacity and transfer rates are with 2:1 compression*

8008

8008ED

8024D

8000 SERIES

DRIVES AND PERFORMANCE

	DATa 8008[1]	DATa 8008ED[2]	DATa 8024D[3]
Data Capacity Native:	4GB	4GB	12GB
with 2:1 Compression:	8GB	8GB	24GB
Transfer Rate Native:	22MB/min.	47MB/min.	70MB/min.
with 2:1 Compression:	44MB/min.	93MB/min.	140MB/min.
File Access Time (Avg):	< 30 sec.	< 35 sec.	< 40 sec.
Data Compression:		On-board DCLZ	
Recording Format:		Helical Scan	
Data Buffer:	1MB	1MB	2MB
Media:	4mm DDS-2[4]	4mm DDS-2[4]	4mm DDS-3[5]
Tape Length:	120 meter	120 meter	125 meter
Recording Density:	91,500 bits/in.	91,500 bits/in.	122,000 bits/in.

OPERATION

Indicators:	Tape and Clean with HP drives; Busy, Tape and Status with Sony drives
Controls:	Tape Unload
Interface:	Fast SCSI-2, Single-Ended 8024D: Fast/Narrow SCSI-2, Single-Ended

RELIABILITY

Hard Error Rate:	1 in 10^{15} bits
Tape Shelf Life:	30 years minimum (at 20°C, 40% RH)
Maintenance:	Use cleaning cartridge every 24 hours of tape drive use
Drive MTBF:	Greater than 200,000 power-on hours
MTTR:	Within 30 minutes (drive replacement)
Error Correction Code:	Read After Write, C3 ECC

[1] Specifications for Sony SDT-5000 drive; for HP C1533A drive, throughput is 31MB/minute (native), 62MB/minute (w/2:1 compression)

[2] Specifications for Sony SDT-7000 drive

[3] Specifications for Sony SDT-9000 drive, for HP C1537A throughput is 60MB/minute (native), 120MB/minute (w/2:1 compression)

[4] DDS-1 DAT media can be used, but drive performance will be at DDS-1 levels

[5] DDS-1 DAT and DDS-2 DAT media can be used, but drive performance will be at DDS-1 or DDS-2 levels

FOR FURTHER INFORMATION, CONTACT YOUR LOCAL ADIC DEALER

PHYSICAL

Dimensions	
DATa 8008:	3.25"H x 6.75"W x 11.0"D (8.3cm x 17.1cm x 27.9cm)
DATa 8008ED/8024D:	4.0"H x 4.75"W x 9.0"D (10.2cm x 12.1cm x 22.9cm)
Weight	
DATa 8008:	6 lbs. (2.7kg)
DATa 8008ED/8024D:	5.5 lbs (2.5kg)
Internal Models:	5 1/4" half-high

ENVIRONMENTAL

Electrical:	100-120 / 200-240 VAC, 50-60 Hz; 0.50/0.25A, Automatic voltage range selection
Internal models:	12 VDC
Altitude:	15,000 ft (4572 m)
Temperature:	5°C to 40°C Operating
Humidity:	20% to 80% Non-Condensing Operating
Noise Level:	35 dBA
Vibration:	0.25g (5-500 Hz) Operating 0.50g (5-500 Hz) Storage/Shipping
Shock:	2g Operating, 30g Storage/Shipping
BTU/Hour:	125

COMPLIANCE AND CERTIFICATION

Safety:	UL-1950, CSA950, EN 60950
Emissions:	FCC #47 CFR, Part 15, Class B, CSA C108.8M, vfg 243/91
Susceptibility:	IEC (801-2, -3, -4)
International:	CE

SOFTWARE AND PLATFORMS

See the most recent ADIC Software Compatibility Guide for a complete list of software and platforms compatible with the DATa 8000 Series.

http://www.adic.com