

DAT, Autoloader

SCSI-2 Interface



400-Kbyte-per-second native transfer rate

Read-after-write, four-head design

SCSI-2 interface

High-performance 1-Mbyte buffer

Compatible with most popular operating systems



The Data Technology Company

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General

Form-Factor	3.5-inch × half height or 5.25-inch × half height (1.7")
External drive	Stand-alone unit with integral power supply
Internal autoloader	5.25-inch × full-height, internal mount

Error Rate	<1 in 10 ¹⁵ bits
Controller Interface	SCSI-2
Interface format	Single-ended, async/sync
Transmission	Single-ended, async/sync

Environmental

Operating	5° to 45°C
Internal	5° to 35°C
Nonoperating, both	-40° to 65°C
Relative Humidity	20% to 80% noncondensing
Wet Bulb Temperature	26°C

Expected Reliability

MTBF (20% duty cycle)	200,000 hours
Internal	(Autoloader: 125,000 hours)
External	150,000 hours
MTTR	<30 minutes

Power Requirements

Operating	
Internal +5V	0.77A (typical)
+12V	0.4A (typical)
Watts	8.7 (typical)
External	100 to 240 VAC universal

Options

Hardware options	Media, cleaning cartridge
Magazine options	12-cassette magazine supports up to 96 Gbytes for DAT Autoloader

Warranty

2 years

Product Certification

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

Model Numbers

3.5-inch internal (OEM)
5.25-inch internal (OEM)
External (OEM)
3.5-inch internal (distribution)
5.25-inch internal (distribution)
External (distribution)

2 Gbytes DAT	4 Gbytes DAT	8 Gbytes DAT	96 Gbytes* DAT Autoloader
CTD2004H-S	CTD4004H-S	CTD8000H-S	NA
CTD2004R-S	CTD4004R-S	CTD8000R-S	NA
CTD2004E-S	CTD4004E-S	CTD8000E-S	NA
4320NT	4324NP	4326NP	NA
4320RT	4324RP	4326RP	4586NP
4350XT	4354XP	4356XP	NA

Capacity

90-Meter Tape	2.0	2.0	2.0	24.0
Native (Gbytes)	NA	4.0	4.0	48.0
Compressed (Gbytes)				
120-Meter Tape	NA	NA	4.0	48.0
Native (Gbytes)	NA	NA	8.0	96.0
Compressed (Gbytes)				

Performance

Transfer Rate	400	400	400	400
Native (Kbytes/sec)	NA	800	800	800
Compressed (Kbytes/sec)				
Tape Speed (in/sec, mm/sec)	0.7/17.9	0.7/17.9	0.47/11.9	0.47/11.9
Head-to-Tape Speed (in/sec, mm/sec)	270/6,858	270/6,858	270/6,858	270/6,858
Search/Rewind Speed (× normal speed)	200	200	200	200
Average Access Time	30	30	30	30
90-Meter Tape (secs)	NA	NA	40	40
120-Meter Tape (secs)	1	1	1	1
Buffer (Mbytes)	Flash	Flash	Flash	Flash
EEPROM	Helical Scan	Helical Scan	Helical Scan	Helical Scan
Recording Method	(R-DAT)	(R-DAT)	(R-DAT)	(R-DAT)
	ANSI/ECMA	ANSI/ECMA	ANSI/ECMA	ANSI/ECMA
	DDS	DDS-DC	DDS-2	DDS-2
			ANSI/ECMA	ANSI/ECMA
			DDS-DC	DDS-DC

Complete solution kits are available for Novell Network, Windows NT server and Unix operating systems.

* With a 12-cassette magazine



Seagate Tape Products

Seagate Technology 1650 Sunflower Avenue, Costa Mesa, California 92626, 714/641-1230

Corporate Headquarters

Seagate Technology 920 Disc Drive, Scotts Valley, California 95066, 408/438-6550

Asia/Pacific

Seagate Technology International 202 Kallang Bahru, Singapore 339339, 65/292-6266

Europe, Africa, Middle East

Seagate Technology 62 bis, avenue André Morizet, 92643 Boulogne-Billancourt Cedex
France (+33 1) 41 86 10 00

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