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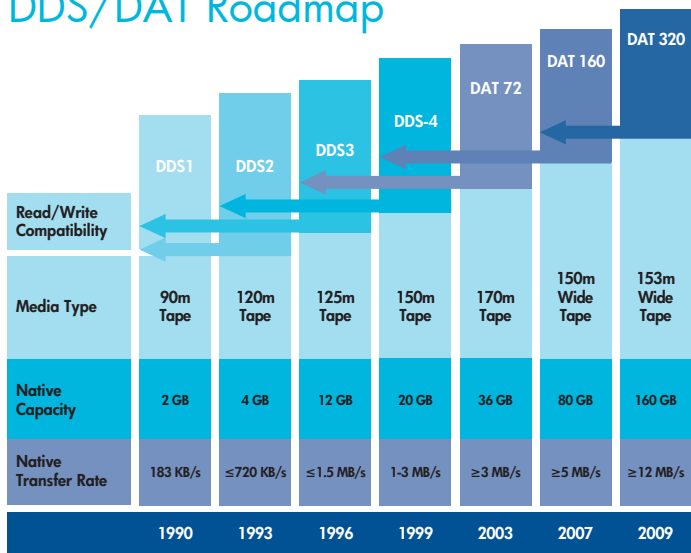
**DAT is the most successful tape backup technology of all time with more than 17 million DAT drives shipped since its introduction in 1989** and a current world-wide installed base of over 6 million drives. The technology is ideal for entry-level and small networks requiring higher capacities with lower cost of ownership. HP's DAT media portfolio caters for all customers with several different capacity points reaching up to 320 GB on a single cartridge.



## Key Features and Benefits

- **Outstanding reliability.** Durability standards for HP DDS data cartridges are twice those required to pass the DDS logo requirements.
- **Optimum compatibility** with HP StorageWorks DAT drives and autoloaders, and with other DDS-format drives.
- **20-year guaranteed archival life.**
- **HP DDS media is tested** to environmental extremes that exceed the parameters for other brands – 20 custom-built testing chambers are in use 24 hours per day, 365 days per year.
- **Hewlett-Packard carries out 1.3 million hours of testing**, including pollutant, climatic, environmental and ambient tests, to overcome common faults such as coating defects, edge breakdown and faulty hub mechanisms.
- **The latest DAT 320 data cartridges** will store up to 320 GB of compressed data per cartridge at a transfer speed of up to 43.2 GB/hour. Unlike most other tape formats (AIT and DLT), DAT 320 provides backward read/write compatibility with older formats – e.g. DDS-4 and DAT 72 – thus protecting customer's investment in DDS technology.
- **Each member of the HP StorageWorks DAT family** offers a complete backup solution including HP's unique One-Button-Disaster-Recovery (OBDR) feature providing customers with the ability to restore their systems quickly and effortlessly with the touch of a single button.
- **HP has been involved in the design and development** of DAT drives since the beginning and applies this experience to its current line of DAT products. Not only does an investment in DAT technology provide the security of a format with a history of outstanding reliability, the legacy of backward compatibility also provides the potential for future expansion without compromising your investment in the technology.

# DDS/DAT Roadmap



# Drive/Media Compatibility

Media	DDS-1 Drive	DDS-2 Drive	DDS-3 Drive	DDS-4 Drive	DAT 72 Drive	DAT 160 Drive	DAT 320 Drive
DDS-1 90m	R/W	R/W	R/W	X	X	X	X
DDS-2	X	R/W	R/W	R	X	X	X
DDS-3	X	X	R/W	R/W	R/W	X	X
DDS-4	X	X	X	R/W	R/W	R/W	X
DAT 72	X	X	X	X	R/W	R/W	R/W
DAT 160	X	X	X	X	X	R/W	R/W

## Specifications

All capacities and performance compressed.

Product No.	C5706A	C5707A	C5708A	C5718A	C8010A	C8011A	Q2032A
Reseller Product Number							
Model	DDS-1	DDS-2	DDS-3	DDS-4	DAT 72	DAT 160	DAT 320
<b>Format</b>							
Compressed Capacity*	4 GB	8 GB	24 GB	40 GB	72 GB	160 GB	320 GB
Transfer Speed*	360 kb/sec	1.2 MB/sec	2.2 MB/sec	6.4 MB/sec	6.4 MB/sec	13.8 MB/sec	12 MB/sec
Magnetic Material	Metal Particle	Metal Particle	Metal Particle	Metal Particle	Metal Particle	Metal Particle	Metal Evaporated
Recording Density	61 kbits/inch	61 kbits/inch	122 kbits/inch	122 kbits/inch	162 kbits/inch	174 kbits/inch	227 kbits/inch
<b>Magnetic Characteristics</b>							
Coercivity	1550 Oe	1650 Oe	2300 Oe	2300 Oe	2350 Oe	2350 Oe	1400 Oe
<b>Physical Characteristics</b>							
Tape Thickness (um)	9.0 ± 0.8	6.5 ± 0.4	6.5 ± 0.4	5.6 ± 0.3	5.1 ± 0.2	5.6 ± 0.3	5.9 ± 0.3
Tape Width (mm)	3.81	3.81	3.81	3.81	3.81	8	8
Tape Length (m)	91.5 ± 0.5	123.5 ± 0.5	124.5 ± 0.5	154.5 ± 0.5	170 + 0.8/- 0.2	154.5 ± 0.5	153.0 +1.0/- 0.0
Durability	2,000 passes or 100 full backups						
<b>Environmental Properties</b>							
Non-Operating Temperature	45 °C, 20% to 80% RH (non-condensing)						
Temperature and Relative Humidity	32 °C, 20% to 60% RH (non-condensing)						
Transportation Environmental Range	-40 °C to 45 °C, 5% to 80% RH (non-condensing)						
<b>Logistics</b>							
<b>Unit (in case)</b>							
External Dimensions (cm)	L8.0xW1.5xH5.9	L8.0xW1.5xH5.9	L8.0xW1.5xH5.9	L8.0xW1.5xH5.9	L8.0xW1.5xH5.9	L8.0xW1.9xH5.9	L20xW8.3xH6.1
Weight (g)	44.4	44.5	45.4	45.4	43.7	54.2	53
Quantity	1	1	1	1	1	1	1
UPC	0 88698-63996 2	0 88698-63997 9	0 88698-63998 6	0 88698-85295 8	8 08736-54422 1	8 82780-30733 9	1 08 84420-42319 2
<b>Sub Carton</b>							
External Dimensions (cm)	L15.9xW8.2xH6.1	L15.9xW8.2xH6.1	L15.8xW8.2xH6.0	L15.8xW8.2xH6.0	L15.8xW8.2xH6.0	L20.2xW8.3xH6.3	L20xW8.3xH6.1
Weight (g)	469	470	494.4	498.9	465	574	559
Quantity	10 x 1 units = 10 cartridges						
ITF-14	1 00 88698-63996 9	1 00 88698-63997 6	1 00 88698-63998 3	1 00 88698-85295 5	1 08 08736-54422 8	1 08 82780-30733 6	1 08 84420-42319 2
<b>Master Carton</b>							
External Dimensions (cm)	L33.0xW17.0xH20.0	L33.0xW17.0xH20.0	L31.4xW16.2xH18.3	L33.0xW17.8xH20.0	L33.0xW17.8xH20.0	L33.3xW22xH21.5	L33.2xW22xH21.3
Weight (kg)	5	5	5.3	5.1	5	6.2	6.1
Quantity	10 x 10 units = 100 cartridges						
ITF-14	2 00 88698-63996 6	2 00 88698-63997 3	2 00 88698-63998 0	2 00 88698-85295 2	2 08 08736-54422 5	2 08 82780-30733 3	2 08 84420-42319 9

\*Transfer Speeds and capacities assume 2:1 compression. Actual performance is data dependent.

