



HP Magneto-Optical Disks



Magneto-Optical (MO) is a specialised market that is ideal for companies or industries who must meet legal archival regulations, who process large volumes of document management or who must access stored/archived files quickly.

Key features and benefits

HP Magneto-Optical disks

- HP Magneto-Optical disks meet and surpass ISO, IEC and ANSI standards.
- Exceptional reliability and durability across the total optical solution (drives, the library and media), thanks to HP's patented robotics technology. A strong cartridge and anti-static hard-coated disc surface protects data against scratches, dust, magnetic fields and other extreme environmental conditions. This ensures faultless performance, now and in the future.
- A 'dual spiral' zone layout enables continuous land and groove track recording. Data is recorded on both the surface of the layer (the land) and the spiral track (the groove), increasing media density of the 14x and allowing 9.1 GB of data to be stored on just one disk.
- HP rewritable optical disks allow virtually unlimited read/write cycles – over 1 million erase and write cycles, 1 billion reads and 100,000 load and unload cycles per side without quality loss. This makes them ideal for data management in information intensive environments.
- HP write-once optical disks are designed for permanent storage of large volumes of data.
- Ideal for high volume files – a 5.2 GB MO disk can store up to 1.3 million pages of text.

HP Magneto-Optical Products

Product No.	Description
HP 88147J	HP Rewritable Optical Disk; 2048 Bytes/Sector
HP 88146J	HP Write-Once Optical Disk; 2048 Bytes/Sector
HP C7986A	HP Write-Once Optical Disk; 2048 Bytes/Sector
HP C7984A	HP Write-Once Optical Disk; 4096 Bytes/Sector

For full hardware and media compatibility go to hptapecompat.com

Specifications

All capacities and performance compressed.



Product No.	88146J	88147J	C7984A	C7986A
Reseller Product Number				
Model	MO 8X WORM	MO 8X RW	MO 14X WORM	MO 14X WORM
Format				
Storage Capacity	5.2 GB	5.2 GB	8.6 GB – 9.1 GB	8.6 GB – 9.1 GB
Sector Size	2048 bytes/sector	2048 bytes/sector	4096 bytes/sector	2048 bytes/sector
Manufactured Material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Physical Tracks Per Side	38,136	38,136	49,728	49,728
Transfer Speed	5.07 MB/sec	5.07 MB/sec	6.14 MB/sec	6.14 MB/sec
Physical Characteristics				
Disk Thickness (mm)	2.4	2.4	2.4	2.4
Track Pitch (um)	0.85	0.85	0.65	0.65
Archival Durability	100 years	100 years	100 years	100 years
Environmental Properties				
Operating Temperature	5 °C to 55 °C (41 °F to 131 °F)			
Day to Day Storage Temperature	10 °C to 55 °C (50 °F to 131 °F)			
Long Term Storage Temperature – Ambient	10 °C to 55 °C (50 °F to 131 °F)			
Maximum Wet Bulb Temperature	29 °C (84.2 °F)			
Non-Condensing Relative Humidity	3% to 85% R.H.			
Logistics				
Unit (in case)				
External Dimensions (cm)	L 13.7 x W 1.2 x H 15.3			
Weight (g)	182			
Quantity	1	1	1	1
UPC	0 88698-52482 4	0 88698-52483 1	7 25184-39667 0	7 25184-39669 4
Sub Carton				
External Dimensions (cm)	L 15.9 x W 13.4 x H 18.3			
Weight (g)	1618			
Quantity	8 x 1 units = 8 disks			
ITF-14	2 00 88698-52482 8	2 00 88698-52483 5	2 07 25184-39667 4	2 07 25184-39669 8
Master Carton				
External Dimensions (cm)	L 33.3 x W 28.0 x H 20.6			
Weight (kg)	6.77			
Quantity	4 x 8 packages = 32 disks			
ITF-14	2 00 88698-52482 8	2 00 88698-52483 5	2 07 25184-39667 4	2 07 25184-39669 8

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4AA2-1946EEE Rev. 1, Created October 2012

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