BREECE HILL

T7 OPTICAL DRIVE

Features and Benefits

Magneto Optical (MO) technology gives you the reliable and removable data protection you need for your high capacity files and long term storage needs.

Features include:

Faster backup performance
25 ms access time and 8 MB cache and increase backup performance.

Highly reliable
MTBF of 100,000 POH and MIBF of 750,000 cycles.

High compatibility
Supports 9.1GB media and is backward compatible with RW, LIMDOW, CCW and lower capacity media.

Longer shelf life
Archival shelf life for up to 30 years.

Proven technology
WORM Media provides non-erasable, non-alterable records for compliance needs.

Rewriteable
RW Continuous Composite WORM

5.25 inch cartridges
Capacities of 600MB,650MB, 1.2GB, 1.3GB, 2.3GB, 2.6GB, 4.1GB,4.8GB, 5.2GB, 9.1GB

Variable Sector Size
512, 1024, 2048, 4096 bytes per sector

Convenient
5 pack media packaging

Warranty
One year advance replacement

THE CHALLENGE

You need high capacity data protection that is removable and easy to use. And you need that data protection from a company you can trust. You need data protection found in the MaxOptix™ Magneto Optical technology from Breece Hill.

THE SOLUTION

Magneto Optical (MO) media provides a durable, reliable, high capacity storage medium. In fact, it offers the world's safest storage method. Breece Hill's T7 MO drive delivers 9.1 GB of removable, high capacity storage media to keep your data safe for 30 years or more. Its fast 25 ms access time and more data storage capacity and reduced backup windows. The T7 is backward compatible. supporting previous generations of ISO standard media. It can compress rewriteable (RW), manufacturing media (LIMDOW) and write once (CCW) WORM media to 2.3GB cartridges and reads lower capacity media from 600MB to 1.3GB.

In its seventh generation, the T7 delivers exceptional reliability, with a Mean Time Between Failure (MTBF) of up to 100,000 Power-On Hours (POH) and a Mean Insertions Between Failure (MIBF) of more than 750,000 cycles.

The T7 uses an industry-standard SCSI connection, so you just plug it into any network, drag and drop the files you want to store and start saving your data. It's that simple.

Specifications

Media

Capacity	Read/Write	Type
9.1GB (14x)	Yes	MO, CCW
5.2GB (8x)	Yes	MO, CCW
4.8GB (8x)	Yes	MO, CCW
4.1GB (8x)	Yes	MO, CCW
2.6GB (4x)	Yes	MO, CCW
2.3GB (4x)	Yes	MO, CCW
1.3GB (2x)	Read only	MO, CCW
1.2GB (2x)	Read only	MO, CCW
650MB (1x)	Read only	MO, CCW
600MB (1x)	Read only	MO, CCW

Drives

Cache	8 MByte	
Seek Time	25 ms	
Data Rates		
Async. SCSI	Max 3.0 MB/s	
Sync., SCSI	Fast 10.0 MB/s	
Raw Sustained Rate	6.14 MB/s to 3.07 MB/s	(9.1GB media)
Sustained Rate	5.84 MB/s to 2.87 MB/s	(8.6 GB media)
Spin Up	5.5 sec	
Spin Down	3.5 sec	
SCSI Connectors	1-50 Pin Ribbon (Internal Drive)	2-50 Pin High Density (External Drive)

Reliability

MTBF	100,000 POH	
MIBF	> 750,000 cycles	
Power supply (internal version)	+5V +/-5%, 0.9 A (typ.)	+12V +/-5%,0.85 A (typ.)
Power supply (external version)	AC 100 – 240 V +/-10%	50/60 Hz, 40W (Max.)

Dimensions	Width	Height	Length
Internal	14.6 cm	4.13 cm	20.3 cm (no bezel)
External	20.1 cm	6.4 cm	25.1 cm
Weight Internal:	1.5 kg	External: 5 kg	

Environmental

Operating Temperature	5 to 40 C°
Operating Humidity	10% to 90%
Storage Temperature	-30 to 60 C°
Max. Wet Bulb Temp.	26 C°
Acoustic	45 db (A) (Max.)

Agency Approvals

FCC, UL, C-UL, and CE

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Breece Hill LLC is ISO 9001:2000 certified

For warranty details see www.breecehill.com

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