

Maxoptix

T6-5200

T5-2600

Magneto Optical Drives

The *Star* series of MO drives from Maxoptix allow for support of today's extensive requirements for data intensive applications and will be the platform for tomorrow's higher capacity requirements. The *Star* series is available in two models, the **T6-5200** (5.2 GB) and the **T5-2600** (2.6 GB). The *Star* series **T6-5200** has the exclusive *turbocac he* system, which greatly improves performance over previous generations. Whether it's high performance, reliability, capacity, or multi-functional capabilities, the new *Star* series **T6-5200** with the exclusive *turbocac he* system, and the **T5-2600** are ideal solutions for data intensive applications including document imaging, medical imaging, large data exchange, archive and backup.

Performance

The drives support an Ultra-SCSI interface to provide for a high data transfer rate of up to 20 MB/s synchronous and 6.8 MB asynchronous. The industry's first MO drive with 8 MB cache, the **T6-5200 Star** drive is additionally enhanced by *turbocac he*, increasing system performance by 20%. See specifications listed on reverse.

Reliability

Magneto Optical technology is the world's safest storage method. Maxoptix drives are exceptional in reliability with a Mean Time Between Failure (MTBF) of 200,000 hours and a Mean Insertions Between Failure (MIBF) of 500,000. These types of performances make the drives ideal for jukebox applications. The Maxoptix supplied MO Media is of the highest quality, certified by the company in **T6-5200**, **T5-2600** drives and the complete line of MX jukeboxes. MO Media may be written and erased more than 100,000,000 times. Archival (shelf) life of this media is also exceptional at greater than 30 years without any special storage requirements, such as rigorous temperature and humidity standards.

Capacity

With the **T6-5200** and **T5-2600** drives, you get high removable storage capacity with near hard drive speed. Maxoptix drives fully support all generations of ISO standard media being able to read and write MO, LIMDOW and CCW media from 600 MB to 5.2 GB capacities. The Maxoptix *Star* series drives are the only MO drives with full read and write backwards compatibility all the way to 1x media.

Multi-Purpose

The combination of speed and capacity makes these drives suitable for many functions including document imaging, medical imaging, large data exchange, archiving and backup. Each drive also contains a special jukebox interface, enabled enhanced performance for Jukebox operations. The drives are designed to perform in all major operating systems - Windows 95/98 and NT, UNIX, Linux, Netware and Macintosh.



Specifications



T6-5200 Star Platform

T5-2600 Star Platform

M E D I A							
B/Sector	Capacity	Read/Write	Type	RPM	Read/Write	Type	RPM
2048	5.2 GB (8x)	Yes	MO, CCW	2996	N/A	N/A	N/A
1024	4.8 GB (8x)	Yes	MO, CCW	2996	N/A	N/A	N/A
512	4.1 GB (8x)	Yes	MO, CCW	2996	N/A	N/A	N/A
1024	2.6 GB (4x)	Yes	MO, CCW LIMDOW	3868	Yes	MO, CCW LIMDOW	3868
512	2.3 GB (4x)	Yes	MO, CCW LIMDOW	3868	Yes	MO, CCW LIMDOW	3868
1024	1.3 GB (2x)	Yes	MO, CCW	3649	Yes	MO, CCW	3649
512	1.2 GB (2x)	Yes	MO, CCW	3649	Yes	MO, CCW	3649
1024	1.0 GB (1.5x)	Yes	MO, CCW	4325	Yes	MO, CCW	4325
512	900 MB (1.5x)	Yes	MO, CCW	4325	Yes	MO, CCW	4325
1024	650 MB (1x)	Yes	MO, CCW	4325	Yes	MO, CCW	4325
512	600 MB (1x)	Yes	MO, CCW	4325	Yes	MO, CCW	4325
Cache		8 MByte with <i>turbocache</i>			4 MByte		
Seek Time		25 ms			25 ms		
Data Rates							
Raw	(to/from disc)	23	48 Mbps	8x media	23	48 Mbps	4x media
Ave. Read	8x media	2.9 MB/sec			N/A		
Ave. Read	4x media	2.6 MB/sec			2.1 MB/sec		
SCSI	Async.	6.8 MB/s			6.8 MB/s		
SCSI	Sync. Fast	10 MB/s			10 MB/s		
SCSI	Sync. Ultra Narrow	20 MB/s			20 MB/s		
Spin Up		5.2 to 6 sec			6 sec		
Spin Down		3 sec			3 sec		
Reliability							
MTBF		200,000 hr			200,000 hr		
MIBF		500,000			500,000		
Power							
Seq. Write		15 Watts		8x media	15 Watts		4x media
Seq. Read		12 Watts		8x media	12 Watts		4x media
5 VDC		1.7 A typical		2 A max.	1.7 A typical		2 A max.
12 VDC		0.6 A typical		2 A max.	0.6 A typical		2 A max.
Dimensions							
Width		Height		Length		Width	
Internal		4.24 cm		21.03 cm		14.61 cm	
External		6.4 cm		25.1 cm		20.1 cm	
Weight		1.5 Kg			1.5 Kg		
Environmental							
Operating		Non-Operating		Operating		Non-Operating	
Temperature		-40 to 70°C		5 to 50°C		-40 to 70°C	
Humidity (non-condensing)		5 to 90%		8 to 80%		5 to 90%	
Altitude		-300 to 12,000 m		-300 to 3,000 m		-300 to 12,000 m	
Shock		50 G (11 ms pulse)		4 G (3 ms pulse)		50 G (11 ms pulse)	
Agency							
FCC, UL, C-UL, CE AND TUV				FCC, UL, C-UL, CE AND TUV			

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