



T8-BT23 23.3 GB Capacity on a one sided disc

Blue Laser Technology

Leading-Edge Data Storage Optical Drive

T8-BT23 is a unique optical drive capable of meeting the demands of tomorrow's storage applications.

Robust, High Quality, High Reliability

Highest capacity and highest performance optical drive available today

Reduced mechanical error

Increased Capacity

Superior customer service and fulfillment

MaxOptix T8-BT23



MaxOptix T8-BT23 drive is a new generation optical drive based on Blue-Violet Laser and disc technologies. Offering unprecedented storage capacity, fast transfers and high reliability, T8-BT23 is the obvious choice for a wide range of mission-critical applications, such as storing medical images, document imaging records, and official documents. Compared to MO and DVD devices, T8-BT23 offers a quantum leap in performance which translates into new potential higher performance solutions.

Blue laser enables high-density recording

By reducing the wavelength of laser light, from red to violet, it is possible to make a narrower "beam spot", enabling higher recording densities up to some 2.6 times that of the red laser technology used for conventional Magneto-optical drives. Moreover, the powerful objective lens used for focusing the laser beam is greater than that used for recording DVDs. The resulting narrow beam further doubles the recording density, making it possible to record as much as 23GB on one side of a disc.

Dust proof design

T8-BT23 has been designed to be completely airtight; dust is prevented from entering the case. A dual-shutter mechanism has been adopted to block dust penetration even with media inside the drive.

High-capacity cache

The drive is equipped with a 16MB cache, much larger than the 2MB cache of DVD drives or even the 8MB cache of MO drives. This effectively reduces the load on the CPU when writing to media and improves performance when accessing data with the aid of the read ahead feature.

Cost effective

Similar to CD/DVD media, the drive uses the low cost 120 mm diameter discs which are good for high volume media production. The slim size design of the disc allows for higher density slot counts in jukeboxes. The single-sided design of the disc gives the advantage on jukebox applications of eliminating the flipper mechanism, which eliminates potential mechanical errors.

MaxOptix, the name you trust for industry leading magneto-optical drives and media, is a Breece Hill storage solution. Breece Hill manufactures innovative, integrated, information storage and retrieval solutions, including tape libraries, autoloaders, Integrity storage management software and the MaxOptix brand of magneto-optical media and drives.

Contact us for all your storage solution needs at www.breecehill.com.

MaxOptix T8-BT23 Blue Laser Technology

Specifications

Drive

Model name	T8-BT23	TMT8-BT23
Drive type	Internal	External
Interface	Ultra 160 LVD/SE SCSI	Ultra 160 LVD/SE SCSI
Capacity (online)	23.3 GB	23.3 GB
Sustain read	11MB/s	11MB/s
Sustain write	9 MB/s	9 MB/s
Burst rate (sync. max)	160MB/s	160MB/s
Seek time (ave)	110ms	110ms
Load/eject time	6.0sec/3.5sec	6.0sec/3.5sec
Buffer memory	16MB	16MB
MSBF	300,000 times	300,000 times
MTBF	100,000 hrs.	100,000 hrs.
Dimension (w x h x d)	146 x 41.3 x 203 mm (w/o bezel)	200 x 64 x 251 mm
Weight	1.2kg	5 kg
Power supply	5Vdc +/- 5%, 12Vdc +/- 5%	AC 100-240V, 50/60 Hz
Power consumption (ave)	17.3 W	30 W
Operating temp	5 to 45 C°	5 to 45 C°
Operating Humidity	10 to 90% (non-condensing)	10 to 90% (non-condensing)
Storage temp	-30 to 60 C°	-30 to 60 C°
Storage humidity	5 to 90% (non-condensing)	5 to 90% (non-condensing)
Mount position	Horizontal / Vertical	Horizontal / Vertical
Tilt	-/+ 10%	-/+ 10%

Media

Model name	MBT23RW	MBT23CW
Format	Rewritable	Write-once
Sector size	2048 Bytes (default)	2048 Bytes (default)
Recording layer	Phase Change	Phase Change
Track pitch	0.32 um	0.32 um
Cover layer thickness	0.1 mm	0.1 mm
Disc diameter	120 mm	120 mm
Cartridge dimension	28.6 x 130.6 x 9.1mm	28.6 x 130.6 x 9.1 mm
Erase/write cycles	>10,000 times	>10,000 times
Weight	90 g	90 g
Estimated shelf life	> 50 yrs.	> 50 yrs.
Estimated archival life	> 50 yrs.	> 50 yrs.



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**For warranty details see www.breecehill.com
*Compression 2:1

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