

MagFile 20

DLT Library with True Incremental Scalability



The most customer-requested features of any DLT Library

Best DLT library solution you'll find

What makes MagFile™ the best DLT library solution is simply this – M4 Data asked tape library users what they wanted in the ultimate DLT tape library, and then designed it for them.

MagFile is much more than the sum of the best existing library features. Innovative engineering has made it possible to place the most requested features into the *smallest, best value package*. Truly incremental scalability provides lower initial cost and investment protection when your needs grow. Optimal cartridge-to-drive ratios maintain high performance. Robust tri-axial robotics and built-in redundancies provide high reliability and long life. Plenty of frills without the gimmicks.

By combining top-demand features with unbelievable economies of scale and price, the result is the best DLT automated library solution you'll find.

True scalability

Imagine a library system that can be expanded incrementally as your network grows. MagFile is the library that *optimizes your capacity, performance and budget needs*.

Each MagFile 20 module contains two tape drives and twenty DLT cartridges in two removable bulk-load magazines. But that is only the beginning. Additional modules, each only 7 inches high, can be stacked to create a 10-module library system of 200 cartridges and 20 drives, providing a storage capacity of up to 8 TB (native) and an incredible 120 MB/sec bandwidth (432 GB per hour).

With standard 2:1 data compression, MagFile's spec soars to 16 TB capacity and 240 MB/sec (864 GB per hour). All of this fits into one standard 6-foot-high rack!



MagFile is the *easiest DLT library system* to expand – self-contained modules are simply stacked on top of each other like building blocks. It is effective and economic, and really is child's play to achieve.

These intelligent modules self-configure into an expanded library system where *all tape cartridges are accessible to all tape drives*.

Unique Features & Benefits

- True incremental scalability
- Expands easily from 20 to 200 cartridges

- Space-saving 7-inch (4U) height
- Highest cartridge density in its class

- Up to 8 TB native storage
- Twin 10-cartridge magazines for 100% bulk loading

Saves space, fits easily on desktops, or stacks comfortably in racks

True incremental scalability allows you to pay for the storage that you need, when you need it, without losing your initial investment in library hardware or software. *This is the promise that MagFile's architecture delivers!*

More cartridges in less space

MagFile solves another big problem – making the best use of limited space. Its brilliant pace-setting architecture allows MagFile to fit more DLT cartridges (with multiple tape drives!) into the smallest space – period. And it does this in only 7 inches of vertical rack height. Rackmount or desktop, MagFile's low height and *high volumetric efficiency* saves valuable space.

Pay as you grow.... and grow.... and grow



It's child's play to extend the Magfile system

Future-proof design

- Dedicated cleaning cartridge slot
- Hot-swap tape drives

- Designed for future tape technologies
- Future-proof PCI bus architecture, fibre channel option, remote web admin

MagFile 20..... stacks up nicely

Exceptional Performance and Reliability



Ingenious, Innovative, Revolutionary, & with DLT



Optimized capacity and performance

MagFile™ maintains the optimum DLT cartridge-to-drive ratio of 10:1, no matter how much you expand the library. MagFile never makes you sacrifice performance for capacity.

To maintain optimal performance and reliability, MagFile provides one dedicated cleaning cartridge for every two drives. Only MagFile DLT libraries provide automatic drive cleaning without having to give up any of the 20 data cartridge slots – you can even replace the cleaning cartridge with a data cartridge.

Easiest to use

MagFile has one of the simplest, easiest-to-use operator/control panels. Simple, intuitive menus – just set it and forget it.

Twin 10-cartridge magazines allow new applications and uses: store multiple back-up data sets; separate magazines for “input” and “output” tapes; use one magazine for backups and the other for normal I/O processing; and make simultaneous copies of backups. Plus the convenience of *full bulk loading* of all cartridges for easy handling and transportation.



Engineering excellence

Compared to other DLT libraries, MagFile's high volumetric efficiency and low 7-inch height are impressive enough. But the designers really pushed the envelope when they also included two 10-cartridge magazines, a dedicated (21st) cleaning cartridge slot, priority access 'mailbox' slot, hot-swap tape drives, control module electronics, MagLink™ express-link hardware, and integrated power supplies, *all within the dimensions of the Magfile Module!!* No need for separate control modules, pass-through ports, or power supplies that take up valuable rack space.

MagFile Library family

MagFile 20 is part of a whole range of *scalable DLT library products*, with solutions ranging from 10 cartridges to over 200 cartridges.

Award-winning design and manufacture

M4 Data products have a long heritage with a great pedigree. We have been developing, manufacturing, and supplying advanced tape drive and automated tape library solutions to major computer resellers and users for over 20 years. We have won several international awards for design and manufacturing excellence.

SAN/Web attachments

Due to its built-in PCI architecture, the MagFile 20 can offer options such as Fibre Channel interface for direct connection to Storage Area Networks and Ethernet for direct access from web browsers.

Specification

Capacities*	DLT8000: 800 GB to 8 TB
Throughputs*	DLT8000: 43.2 to 432 GB/hr
Tape Drives	DLT8000, DLT7000, DLT4000
Interface	Fast/Wide SCSI-2 Single-ended, differential or LVD option Fibre channel option
Reliability	MSBF greater than 1 million exchanges
Scalability	From 20 cartridges & 2 tape drives to 200 cartridges & 20 drives
Configurations	Desktop or rackmount

*Native values

For more information, please give us a call or browse our website at <http://www.m4data.com>

Standard 3-year warranty, with upgrades available in selected locations.

Specification is subject to change without notice.

MagFile patents pending.

MagFile™ is a trademark of M4 Data.

DLT™ is a trademark of Quantum Corporation.

M4 Data
The intelligent choice

The most customer-requested features of any DLT Library

Florida
4451B Enterprise Ct
Melbourne, FL 32934
Voice: 321-255-0666
Fax: 321-253-0970
jkorte@pine1nc.com

Texas
4709 State Highway 121
Suite 132 #401
The Colony, TX 75056
Voice: 214-558-0077
Fax: 214-722-1776
rlinn@pine1nc.com

Germany
Eckenheimer Landstrasse 459
Frankfurt, Germany
D-60435
Voice: 49-69-95403934
Fax: 49-69-95409186

Colorado
950 S Sherman St
Longmont, CO 80501
Voice: 303-776-5066
Fax: 303 776-2130
ctilleman@pine1nc.com