



Automated Data Protection

Regular, disciplined backup is a vital part of a complete disaster recovery strategy. The Dell EMC ML3 is a powerful tape library that helps organizations automate their backup processes to reduce the need for manual intervention and the risk of human error. The Dell EMC ML3 uses optical cartridge location technology for precision cartridge handling and inventory, which helps improve the overall reliability of backups.

Tech Specs & Customization

Barcode Reader

Standard

Chassis

3U form factor

Height: Rack Mount 133mm

Width: Rack Mount 480mm

Depth: Rack Mount 873mm

Weight: 21Kg. with no drive and no media

Orientation: Horizontal only

Rack mount standard

Drive Controllers

8Gb FC, 6Gb SAS

Environmental Operating Conditions

Temperature: 50 to 95 degrees F, 10 to 35 degrees C.

Relative Humidity: 20% RH to 80% RH (non-condensing)

Electrical Power: 5.0 – 3.5 amps, 100 – 240 V 50 / 60 Hz, 350 W

Library Configurations

Up to 3 LTO half-height drives with 40 cartridge slots (ML3) or 40 cartridge slots (ML3E), 8Gb FC or 6Gb SAS

Partitioning

Supported

Expansion capacity

ML3 base ships standard with 40 cartridge slots

ML3E expansion module ships standard with 40 cartridge slots

Each ML3 base supports up to six ML3E expansion modules

Media

LTO-6, LTO-7, LTO-7 Type M, LTO-8

Management

There are two user interfaces:

Operator Control Panel: Located on the front of the ML3 tape library, the user can use an LCD panel to check system status, run diagnostics, view system logs, check and set configuration, verify drive operations, run an inventory and manage the system.

Remote Web Management: The web based administration can be accessed via a 10/100/1000 BaseT connection through any standard web browser. The user can check system status, run diagnostics, view system logs, check and set configuration, verify drive operations, run an inventory and manage the system. In addition, the user can upgrade the drive and library firmware via the RMU.

Power Supplies

Optional second power supply available for both ML3 and ML3E for redundancy

Regulatory

[Product Safety, EMC and Environmental Datasheets](#)

[Dell Regulatory Compliance Home Page](#)

[Dell and the Environment](#)

Scalability

Up to 480TB (native) for ML3 and 480TB (native) per ML3E

3U up to 21U with addition of six ML3E (3U expansion modules)

Software

Code Updates:

Web and either host bus or RMU for drives

Web and RMU only for library code updates

Server Compatibility

Dell™ and x86 IBM legacy, Lenovo and HP servers

Tape Backup Technology

LTO specifications are an open format designed for interoperability

Investment protection is assured through backwards compatibility

LTO-8 reads 1 generation back; LTO-6 and LTO-7 reads 2 generations back

Each LTO generation writes 1 generation back

Linear Tape File System (LTFS) support provides easy data access and management allowing easy file share; LTFS-LE software is available for purchase

Transfer Rate and Backup Rate

Per drive:

LTO-6: 160MB/s, 576GB/hr

LTO-7: 300MB/s, 1080GB/hr

LTO-8: 300MB/s, 1080GB/hr (half-height)

LTO-8: 360MB/s, 1296GB/hr (full-height)

Encryption

Support for Library Managed Encryption and Application Managed Encryption.

Library Managed Encryption activation license included standard with both the ML3 and ML3E.