Eliant 820™ 8mm Tape Drive

Consistently reliable backup

This entry-level tape drive provides the lowest cost of ownership in its class.

- 7 GB capacity (14 GB compressed*)
- 1 MB/second transfer rate (2 MB compressed*)
- Intelligent hardware data compression
- Industry-standard 5.25″ half-high form factor

FEATURES	ADVANTAGES	BENEFITS
Low-cost media	Cost-effective	Contributes to low cost of ownership
Exabyte 8mm backward compatibility	Compatible with an installed base of more than 1.6 million drives and libraries	Protects user investment in 8mm products
Dynamic Head Cleaner™	Cleans the read/write heads at every load/unload cycle	Preventive maintenance performed automatically
TapeAlert™ compatible	Advanced device monitoring and diagnostics	Provides preventive maintenance and error prevention
Multi-option SCSI interface	Differential or single-ended	Easy integration into PCs, workstations and servers

The Eliant 820 8mm tape drive, combined with low-cost metal particle (MP) media, delivers the lowest total cost of ownership in its class. Exabyte's Eliant 820 backs up 7 GB to a single tape cartridge at 1 MB/second (native).

Because tapes recorded on the Eliant 820 can be read by the Exabyte Mammoth drive, there is a migration path from the Eliant 820 into high-performance MammothTape technology, protecting customers' investment. In addition, Eliant is certified Microsoft Windows NT compatible and is supported by Novell Netware and most UNIX operating systems.

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The Exabyte Eliant 820 kitted tape drive includes one Exabyte 160mXL data cartridge, one cleaning cartridge, cables, terminator and installation and operation manual.

Eliant 820 Configurations	Exabyte Part #
Internal, single-ended narrow, kitted	270001-9
Internal, differential narrow (HVD), kitted	270001-8
External, single-ended narrow, kitted	270003-2
External, differential narrow (HVD), kitted	270003-1
Internal, single-ended narrow, unkitted	270001-5
Internal, differential narrow (HVD), unkitted	270001-17

Media Compatibility
The Eliant 820 tape drive is compatible with Exabyte 160mXL, 15m, 54m, 112m Metal Particle (MP) media.

Tape Drive Integration
The Eliant tape drive is available as a consumer-ready packaged solution in its own enclosure or as an internal drive ready to be inserted into an existing drive bay.

Exabyte Eliant 820   Technical Specifications

Capacity
Native   Compressed*
7 GB   14 GB

Performance
Transfer rate, sustained:
  1 MB per second, native
  2 MB per second, compressed*
Burst transfer rate:
  2.5 MB per second asynchronous
  5 MB per second synchronous
Search rate
  30 MB per second, native
  60 MB per second, compressed

Interface
SCSI
Single-ended or differential

Buffer Size
1 MB

Data Integrity
BER < 1.0×10^{17}
Reed-Solomon ECC
Onboard error recovery

Reliability
MTBF 200,000 hours
Read-after-write verification

Recording Method
8mm helical scan

Read and Write Formats
Read: 8200 series
Read and write: 8500 series and 8500c series

Media
Exabyte 8mm 160mXL, 15m, 54m, 112m Metal Particle (MP) and Exabyte Premium Cleaning Cartridge

Environmental
Operating temperature:
  5°C to 40°C (41°F to 104°F)
Nonoperating temperature:
  –40°C to 60°C (-40°F to 140°F)
Relative humidity, noncondensing:
  20% to 80%

Power
Internal:
  +5 VDC, +12 VDC, 11 watts typical
External:
  Universal auto-switching (100/240 VAC)

Dimensions (HxWxD)
Internal
  1.6 x 5.8 x 8.0 in.
  4.1 x 14.6 x 20.3 cm
External
  3 x 9 x 11 in.
  7.6 x 22.9 x 27.9 cm
Shipping Package:
Internal:
  8.5 x 10.75 x 13.5 in.
  21.6 x 27.3 x 34.3 cm
External:
  10.8 x 16.3 x 17.8 in.
  27.0 x 41.0 x 45.0 cm

Weight
Internal:
  2.6 lbs./1.2 kg
External:
  8 lbs./3.6 kg
Shipping Package:
Internal:
  4.5 lbs./2.0 kg
External:
  12.4 lbs./5.6 kg

Agency Certifications
UL, CSA, VDE, IEC, FCC, TUV, CISPR

Warranty
Three year advance exchange

Software Compatibility
For the most recent software compatibility information, visit the Products section on the Exabyte website.

www.exabyte.com

Contact an Exabyte sales representative at 1-800-EXABYTE for further information.

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