

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

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.

\*Compressed specifications assume a 2:1 compression ratio. Compression, capacity and throughput will vary depending upon type of data and system configuration. All specifications are subject to change without notice.

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

## 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.

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

## 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
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### Data Integrity

BER < 1.0 x 10 <sup>-17</sup>
Reed-Solomon ECC
Onboard error recovery

### Reliability

MTBF 200,000 hours
Read-after-write verification

### Recording Method

8mm helical scan
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### 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.
External	4.1 x 14.6 x 20.3 cm
Shipping Package:	3 x 9 x 11 in.
Internal:	7.6 x 22.9 x 27.9 cm
External:	8.5 x 10.75 x 13.5 in.
Shipping Package:	21.6 x 27.3 x 34.3 cm
External:	10.8 x 16.3 x 17.8 in.
Shipping Package:	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:	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](http://www.exabyte.com)

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



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\*Assumes a 2:1 compression ratio. Compression capacity and throughput will vary dependent upon type of data and system configuration. All specifications are subject to change without notice.

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