

NEC Tape Storage

T16A2 Tape Autoloader



Highlights

The T16A2 tape library is a data solution for entry level to midrange systems, offering highly reliable robotics in a compact form factor. The T16A2 may be equipped with one LTO Ultrium tape drive and up to two removable magazines, and can accommodate up to a total of sixteen tape cartridges.

Using LTO Ultrium 4 tape cartridges, this equates to 12.8TB of storage capacity. The T16A2 is available in both standalone and rack-mountable models.

It also includes a remote management system to facilitate off-site data management.

NEC has over forty years of experience developing and manufacturing a wide range of tape products for our mainframe systems. Based upon our extensive background in magnetic tape, the T16A2 is a highly reliable subsystem which can address your most unique and mission critical requirements.

Features

Superior performance

- Available with one LTO Ultrium tape drives in a compact chassis

Efficiently compact design

- Supports a maximum of 25.6TB of compressed data in a 2U space
- Available in either standalone or rack-mountable models

Convenient operation

- Removable cartridge magazines
- Remote Management System

T16A2 Specifications

Drive Type		LTO Ultrium 3	LTO Ultrium 4
Number of Drives		1	
Number of Cartridges		16	
Maximum data capacity*1		6.4TB (native) 12.8TB (compressed at 2:1)	12.8TB (native) 25.6TB (compressed at 2:1)
Transfer rate*2		80MB/sec (native)*3 160MB/sec (compressed at 2:1)*3	120MB/sec (native) 240MB/sec (compressed at 2:1)
Barcode reader		Standard	
Host interface		SCSI LVD/SAS	
Management interface		10Base-T / 100Base-Tx	
Service interface		RS-232C	
Performance	Cartridge access time	15sec (average)	
	Initialize time	Less than 60sec	
	Inventory time	Less than 40sec (Fully loaded with labeled cartridges)	
Robotics reliability	MSBF	More than 1,000,000 swaps	
	MTBF	250,000 hours (power-on hours)	
Power requirement		AC100-240V, 50/60Hz (auto-ranging)	
Power consumption		110W (maximum)	
Environmental limits	Temperature	10°C to 35°C (50°F to 95°F)	
	Humidity	20% to 80%H (non-condensing)	
Dimensions (H x W x D)		89mm x 481mm x 825mm	
Weight		Less than 25kg (55lbs.)	
OS support*4		Windows®, HP-UX, Solaris™, AIX®, Linux®	

*1: 1GB=1,000,000,000 bytes

*2: Data transfer rate would differ due to operating environment and conditions.

*3: 60MB/sec (120MB/sec at 2:1 compression) in case of LTO Ultrium 3 half height.

*4: Including preliminary information

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