

NEC Tape Storage

T60A Tape Library

The T60A LTO Tape Library offers a cost effective and space efficient data protection solution. The T30A is equipped with up to two LTO Ultrium 5, LTO Ultrium 6 or LTO Ultrium 7 tape drives and can accommodate up to 60 tape cartridges. Using 60 LTO Ultrium 7 cartridges, the T60A can store 900TB of compressed data.

Features



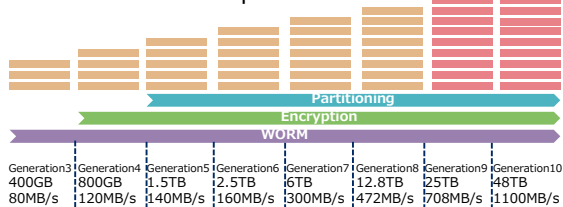
■ Compact, space-efficient design

- Available with 1-4 LTO Ultrium 5/6/7 tape drives in a compact 4U chassis.
- Supports a maximum of 900TB of compressed data.
- Up to 3000MB/s compressed data transfer rate
- SAS or Fibre Channel Host-Interface

■ LTO Ultrium Tape Drive

- LTO maintains the quality of the format by a drive by an independent agency, the compatibility of the media and a quality test by the open standard of the magnetic tape developed by 3 leading vendors of storage jointly. A road map is published until the 10th generation at present. It'll range in the future, and the large-volume high-speed backup environment can be achieved surely.

· LTO Ultrium Roadmap



Tape	LT03	LT04	LT05	LT06	LT07
LT03 Drive	R/W	x	x	x	x
LT04 Drive	R/W	R/W	x	x	x
LT05 Drive	R	R/W	R/W	x	x
LT06 Drive	x	R	R/W	R/W	x
LT07 Drive	x	x	R	R/W	R/W

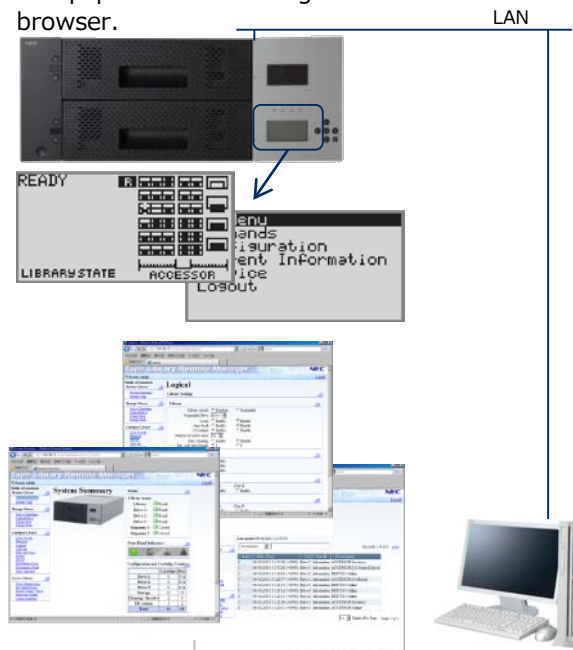
■ Stock capacity efficiency

- A cell of T60A can stock 2 cartridges in the depth direction. The stock capacity efficiency of the biggest class as at most 60 cartridge is achieved in rack space of 4U.



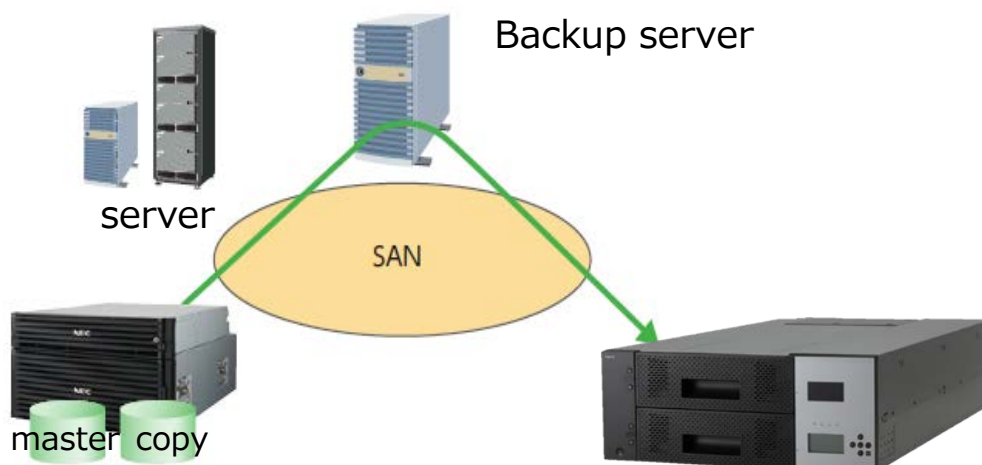
■ Easy to use "User Interface"

- A liquid crystal display is adopted as an operating panel.
- When installing a management terminal on the LAN, it's possible to do situation confirmation of equipment and management from a web browser.



Use Case

Integration backup by stop-lessness



Specification

Common

Item	specification
Number of drives	1 or 4
Number of cartridges	48 or 60
I/O station	2 slot(User configurable)
Barcode reader	Standard
Host Interface	6Gbps SAS / 8Gbps Fibre Channel
Management Interface	10Base-T / 100Base-Tx / 1000Base-T
Encryption capability	AES 256bit Optional key management feature
Power requirement	AC100-240V , 50/60Hz
Power consumption (max)	88W(1drive), 230W(4drive, redundant power)
Temperature /Humidity	10 to 40 °C 20% to 80%RH (non-condensing)
Dimensions (W x D x H)	446mm x 869mm x 176mm
Weight(4drive)*1	45.4kg
OS support*2	Windows®,HP-UX, Solaris™,AIX®,Linux®

Drive Type

Item	Specification
Maximum data capacity*3	
LTO Ultrium 5	90.0TB(native) 180.0TB(compressed at 2:1)
LTO Ultrium 6	150.0TB(native) 375.0TB(compressed at 2.5:1)
LTO Ultrium 7	360.0TB(native) 900.0TB(compressed at 2.5:1)
Transfer rate*4*5	
LTO Ultrium 5	560MB/s(native) 1,120MB/s(compressed at 2:1)
LTO Ultrium 6	640MB/s(native) 1,600MB/s(compressed at 2.5:1)
LTO Ultrium 7	1,200MB/s(native) (SAS)2,400MB/s (compressed at 2.5:1) (FC)3,000MB/s (compressed at 2.5:1)

*1: Without cartridges

*2: Including preliminary information

*3: 1TB=1,000,000,000,000 bytes

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

*5: At 4Drive.

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