

NEC Tape Storage

LL009F Tape Autoloader

The LL009F Tape Autoloader offers a cost effective and space efficient data protection solution. The LL009F Tape Autoloader is equipped with one LTO Ultrium tape drive, and is capable of storing up to 135TB of data in only 1U of rack space.

Features



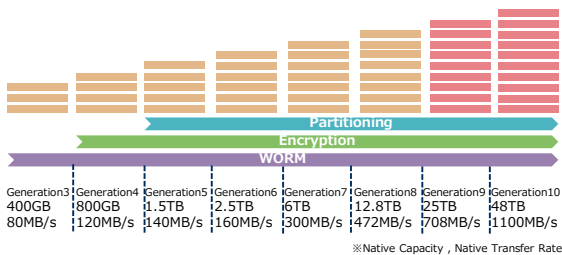
■ Compact, space-efficient design

- Accommodates a maximum of 135TB* of data capacity (LTO Ultrium 7, compressed at 2.5:1) in a 1U space
- Ideal for organizations with limited rack space

■ 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	LTO3	LTO4	LTO5	LTO6	LTO7
LTO3 Drive	R/W	x	x	x	x
LTO4 Drive	R/W	R/W	x	x	x
LTO5 Drive	R	R/W	R/W	x	x
LTO6 Drive	x	R	R/W	R/W	x
LTO7 Drive	x	x	R	R/W	R/W

■ Easy cartridge exchange

- Import/export of cartridges adopts a magazine system.
- A cartridge exchange is possible during backup by I/O slot.



■ 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.

LAN

SOURCE: SLOTS: 02 CARTRIDGE 1
DESTINATION: DRIVE
Move to DRIVE
Are you sure? Y:Enter N:Cancel

Tape Autoloader Resource Manager

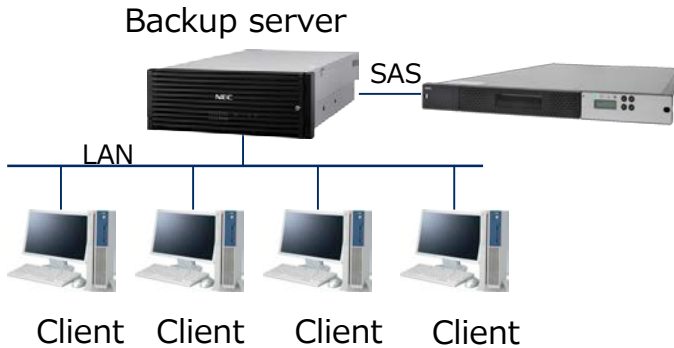
Loader Map

Loader Setting

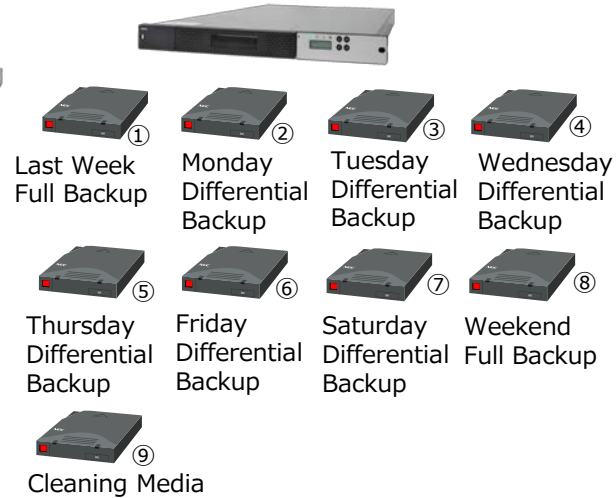
Drive Setting

Use Case

■ data protection solution for small to midrange businesses (SMB)



■ Tape Media Rotation



Specification

■ Common

Item	specification
Number of drives	1
Number of cartridges	9
I/O station	1 slot
Barcode reader	Standard
Host Interface	6Gbps SAS
Management Interface	10Base-T / 100Base-Tx
Power requirement	AC100-240V , 50/60Hz
Power consumption	110W(max)
Temperature/Humidity	10 to 40 °C 20% to 80%RH (non-condensing)
Dimensions (W x D x H)	483mm x 850mm x 44mm
Weight* ¹	Less than 13kg
OS support* ²	Windows®, HP-UX, Solaris™, AIX®,Linux®

■ Drive Type

Item	Specification
Maximum data capacity* ³	
LTO Ultrium 5	13.5TB(native) 27.0TB(compressed at 2:1)
LTO Ultrium 6	22.5TB(native) 56.25TB(compressed at 2.5:1)
LTO Ultrium 7	54.0TB(native) 135.0TB(compressed at 2.5:1)
Transfer rate* ⁴	
LTO Ultrium 5	140MB/s(native) 280MB/s(compressed at 2:1)
LTO Ultrium 6	160MB/s(native) 400MB/s (compressed at 2.5:1)
LTO Ultrium 7	300MB/s(native) 600MB/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

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