

Fujitsu Storage Systems

ETERNUS LT160

Tape Library

ETERNUS LT160 is a comprehensive and highly reliable tape library for enterprise systems able to support a wide range of system environments

Employing "LTO Ultrium™" technology it significantly reduces the time needed for backup operations. Its support for UNIX® and Intel® servers over Fibre Channel interfaces enables ETERNUS LT160 to provide you with the very best in backup solutions in a heterogeneous environment.



LT160

Storage capacity: Max. 125.6TB*
Data transfer speed: Max. 4TB/h**
* Model A20
**Model A32 (In uncompressed mode)

High Performance

ETERNUS LT160 employs the LTO Ultrium™ drive unit. This provides more than five times the performance and capacity of DLT8000. ETERNUS LT160 supports both first and second generation Ultrium 1 and Ultrium 2 drive units. Ultrium 2 has twice the performance of Ultrium 1.

- Ultrium 1: Data transfer speed: 15MB/s*¹
Storage capacity: 100GB/cartridge*²
- Ultrium 2: Data transfer speed: 35MB/s*¹
Storage capacity: 200GB/cartridge*²

Up to 32 LTO drives can be installed and up to 4.0TB data can be backed-up within 1 hour.

*1: Max performance per single drive unit

*2: In uncompressed mode

High Reliability

The LTO Ultrium™ drive unit provides a Tape Thread feature that protects you from tape loading problems while providing stable tape take-up.

The hot-swap components of ETERNUS LT160 enable component exchange of failed parts such as drive modules and cooling fans during backup and archiving operation. The in-built robot delivery of cartridges also provides high reliability with stable and secure operation.

High Efficiency

ETERNUS LT160 enables you to consolidate data backup operations for a range of platforms including UNIX and IA servers. In doing so it enables effective storage resource utilization and management cost reductions.

ETERNUS LT160 also supports major vendor backup software for UNIX and IA servers.

High Scalability

ETERNUS LT160 provides you with two model options. The model A20 is focused on high capacity storage requirements, while the model A32 is more focused on performance. With both you can choose the required level of flexibility in number of cartridges and drives installed.

- Model A20:
Storage capacity: Up to 125TB (Up to 628 cartridges)
Number of drives: Up to 20
- Model A32:
Storage capacity: Up to 93TB (Up to 466 cartridges)
Number of drives: Up to 32

It is also possible as system demands change to quickly and easily add an additional expansion cabinet to your ETERNUS LT160 system.

High Manageability

Using either the monitoring display on the front panel or a GUI web-browser based interface, you can monitor the latest system status.

A Remote Panel feature enables an administrator to access the system from a remote location to handle cartridge and setup operations.

ETERNUS LT160 provides CAS (Cartridge Access Station) for the continuous insertion and ejection of up to 20 cartridges.

High Connectivity

ETERNUS LT160 supports Fibre Channel as a host interface, to match the requirements of backup operations in a heterogeneous environment.

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Specifications

Model name		A20			A32	
Number of cartridges		98/182/221	415/628	401/566	89/167	388/466
Storage capacity ^{*1}	Ultrium 1 cartridge tape	9.8-22.1TB	41.5-62.8TB	40.1-56.6TB	8.9-16.7TB	38.8-46.6TB
	Ultrium 2 cartridge tape	19.6-44.2TB	83.0-125.6TB	80.2-113.2TB	17.8-33.4TB	77.6-93.2TB
Number of cabinets		1	2		1	2
Mounted units	Robot	1				
	CAS (Number of cartridges)	10	20		10	20
	Max. tape drives	10		20	16	32
Tape drive specifications	Ultrium 1 drive unit	Data transfer speed	15MB/s ^{*1}			
		Storage capacity	100GB/cartridge ^{*1}			
	Ultrium 2 drive unit	Data transfer speed	35MB/s ^{*1}			
		Storage capacity	200GB/cartridge ^{*1}			
Host interface		Fibre Channel				
Dimensions [WxDxH] (mm)		780x1,130x1,800	1,520x1,130x1,800		780x1,130x1,800	1,520x1,130x1,800
Max. weight (kg) ^{*2}		493	810	921	552	1,040
Power requirements	Voltage	AC100 - 240V			AC200-240V	
	Phase	Single				
	Frequency	50/60Hz				
Max. power consumption (W)		1,500	2,800		2,300	3,800
Number of outlets required		1-4 ^{*3}				

*1: In uncompressed mode

*3: Depending on the number of drive units

*2: In the case of maximum configuration. Exclusive of media weight

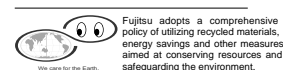
Supported servers /OS/ software

Server		Supported OS	Backup software
Backup server	PRIMEPOWER	Solaris ^a 7/8/9 Operating Environment	Legato NetWorker [™] 6.1/7.0 VERITAS NetBackup ^a 3.4/4.5/5.0
	PRIMERGY	Windows NT [™] 4.0 Server Windows [™] 2000 Server Windows Server ^a 2003	VERITAS NetBackup ^a 3.4/4.5/5.0 BrightStor [™] ARCserve [™] Backup v9/R11
		Red Hat Enterprise Linux AS Red Hat Enterprise Linux ES	VERITAS NetBackup ^a 4.5/5.0 BakBone NetVault ^a 7
	HP9000 series	HP-UX 11/11i	VERITAS NetBackup ^a 3.4/4.5/5.0
Sun Fire, Sun Enterprise	Solaris ^a 7/8/9 Operating Environment	Legato NetWorker [™] 6.1/7.0 VERITAS NetBackup ^a 3.4/4.5/5.0	
Backup client	PRIMEPOWER	Solaris ^a 7/8/9 Operating Environment	Legato NetWorker [™] 6.1/7.0 VERITAS NetBackup ^a 3.4/4.5/5.0
	PRIMERGY	Windows NT [™] 4.0 Server Windows [™] 2000 Server Windows Server ^a 2003	VERITAS NetBackup ^a 3.4/4.5/5.0 BrightStor [™] ARCserve [™] Backup v9/R11
		Red Hat Enterprise Linux AS Red Hat Enterprise Linux ES	VERITAS NetBackup ^a 4.5/5.0 BakBone NetVault ^a 7
	HP9000 series	HP-UX 11/11i	VERITAS NetBackup ^a 3.4/4.5/5.0
	pSeries, RS/6000 series	AIX 4.3.3/5L	VERITAS NetBackup ^a 3.4/4.5/5.0
Sun Fire, Sun Blade, Sun Enterprise	Solaris ^a 7/8/9 Operating Environment	Legato NetWorker [™] 6.1/7.0 VERITAS NetBackup ^a 3.4/4.5/5.0	

Specifications are subject to change without notice.

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