

ETERNUS Tape Libraries Comparison Chart

Product name		ETERNUS LT210	ETERNUS LT220	ETERNUS LT230	ETERNUS LT250	ETERNUS LT270				
Exterior										
Class		Entry-level	Mid-range	Mid-range	Mid-range	Enterprise				
Form factor		Rack mount/Floor stand	Rack mount/Floor stand	Rack mount/Floor stand	Rack mount/Floor stand	Floor stand				
Number of cartridges		8	16	40	61 - 91 ^(Note 1, 2)	134 ^(Note 3)	248 ^(Note 3)	470 ^(Note 3)	601 - 709 ^(Note 3, 4)	
Number of cabinets		—	—	—	—	1				
Maximum storage capacity	Ultrium4 data cartridges (In uncompressed mode)	—	12.8TB	32TB	72.8TB	91.2TB	182.4TB	358.4TB	463.2TB - 549.6TB ^(Note 4)	
	Ultrium3 data cartridges (In uncompressed mode)	3.2TB	6.4TB	16TB	36.4TB	45.6TB	91.2TB	179.2TB	231.6TB - 274.8TB ^(Note 4)	
	Ultrium2 data cartridges (In uncompressed mode)	1.6TB	3.2TB	8TB	18.2TB	22.8TB	45.6TB	89.6TB	115.8TB - 137.4TB ^(Note 4)	
Data transfer speed (In uncompressed mode)		Max.: 216GB/h	Max.: 432GB/h	Max.: 864GB/h	Max.: 2.59TB/h	Max.: 8.64TB/h				
Installed components	Tape drives	LTO Ultrium3 half-height	LTO Ultrium4 full-height LTO Ultrium3 half-height	LTO Ultrium4 full-height LTO Ultrium3 full-height	LTO Ultrium4 full-height LTO Ultrium3 full-height	LTO Ultrium4 full-height LTO Ultrium3 full-height				
	Number of robots	1	1	1	1	2				
	Number of tape drives	1	1	Max.: 2 ^(Note 5)	Max.: 6	2 - 20		20 - 2 ^(Note 6)		
	Number of cartridges at CAS ^(Note 7)	—	—	—	9 tapes x 2	10 tapes x 2				
Tape drive specifications	LTO Ultrium4 full-height tape drive	Data transfer speed	240MB/sec (In compressed mode) 120MB/sec (In uncompressed mode)	240MB/sec (In compressed mode) 120MB/sec (In uncompressed mode)	240MB/sec (In compressed mode) 120MB/sec (In uncompressed mode)	240MB/sec (In compressed mode) 120MB/sec (In uncompressed mode)				
		Storage capacity	1,600GB/tape (In compressed mode) 800GB/tape (In uncompressed mode)	1,600GB/tape (In compressed mode) 800GB/tape (In uncompressed mode)	1,600GB/tape (In compressed mode) 800GB/tape (In uncompressed mode)	1,600GB/tape (In compressed mode) 800GB/tape (In uncompressed mode)				
	LTO Ultrium3 full-height tape drive	Data transfer speed	—	—	160MB/sec (In compressed mode) 80MB/sec (In uncompressed mode)	160MB/sec (In compressed mode) 80MB/sec (In uncompressed mode)	160MB/sec (In compressed mode) 80MB/sec (In uncompressed mode)			
		Storage capacity	—	—	800GB/tape (In compressed mode) 400GB/tape (In uncompressed mode)	800GB/tape (In compressed mode) 400GB/tape (In uncompressed mode)	800GB/tape (In compressed mode) 400GB/tape (In uncompressed mode)			
	LTO Ultrium3 half-height tape drive	Data transfer speed	120MB/sec (In compressed mode) 60MB/sec (In uncompressed mode)	120MB/sec (In compressed mode) 60MB/sec (In uncompressed mode)	—	—	—			
		Storage capacity	800GB/tape (In compressed mode) 400GB/tape (In uncompressed mode)	800GB/tape (In compressed mode) 400GB/tape (In uncompressed mode)	—	—	—			
Host interface	LTO Ultrium4 tape drive	FC	—	—	1 / 2	2 - 6		2 - 20		20 - 2
		SCSI	—	1	—	—		—		—
	LTO Ultrium3 tape drive	FC	—	—	1 / 2	—		2 - 20		20 - 2
		SCSI	1	1	1 / 2	2 - 6		—		—
Required 19 inch rack height		2U	2U	5U ^(Note 8)	18U	—				
Supported servers		Mission Critical IA/UNIX/ Industry Standard servers	Mission Critical IA/UNIX/ Industry Standard servers	Mission Critical IA/UNIX/ Industry Standard servers	Mission Critical IA/UNIX/ Industry Standard servers	Mission Critical IA/UNIX/Industry Standard servers				
Logical Library function		—	—	—	Yes (2 logics)	Yes (Max. 4 logics)				
Encryption Key Management function		—	Yes	Yes	Yes	Yes				
Dimensions	Width	Rack mount: 481 mm Floor stand: 482 mm	Rack mount: 481 mm Floor stand: 482 mm	Rack mount: 481 mm Floor stand: 481 mm	Rack mount: 440 mm Floor stand: 546 mm	780 mm				
	Depth	Rack mount: 826 mm Floor stand: 826 mm	Rack mount: 826 mm Floor stand: 826 mm	Rack mount: 826.9 mm Floor stand: 826.9 mm	Rack mount: 820 mm Floor stand: 969 mm	1,270 mm				
	Height	Rack mount: 89 mm Floor stand: 113 mm	Rack mount: 89 mm Floor stand: 113 mm	Rack mount: 222.3 mm ^(Note 8) Floor stand: 205 mm	Rack mount: 787 mm Floor stand: 897 mm	1,980 mm				
Maximum weight ^(Note 9)		Rack mount: 25 kg Floor stand: 33 kg	Rack mount: 25 kg Floor stand: 33 kg	Rack mount: 49.2 kg ^(Note 10) Floor stand: 53.2 kg	Rack mount: 139 kg Floor stand: 196 kg	670 kg				
Power requirements/Voltage		AC100V - 240V	AC100V - 240V	AC100V - 240V	AC100V - 240V	AC100V - 120V ^(Note 11) AC200V - 240V				
Maximum power consumption		110W	110W	192W	500W	3.2 kw				
Maximum heat dissipation		396 kJ/h	396 kJ/h	504 kJ/h	1,800 kJ/h	16,000 kJ/h				
Required power plugs		1	1	1	4	2				
Power plug type	AC100 - 120V	NEMA 5-15	NEMA 5-15	NEMA 5-15	NEMA 5-15	NEMA 5-15				
	AC200 - 240V	NEMA L6-15P	NEMA L6-15P	NEMA L6-15	NEMA L6-15	NEMA L6-30P				

Note 1: When using 1 CAS port (9 cartridges) as a user cell.

Note 2: The max number of cartridges is 88, when the auto cleaning function is used.

Note 3: The number of cartridges includes 20 cartridges for CASs and 2 cartridges for system cells.

Note 4: The number of cartridges and storage capacity differs depending on the number of tape drives.

Note 5: Ultrium4 and Ultrium3 tape drives can't coexist.

Note 6: The number of cells to store cartridge tapes differs depending on the number of tape drives.

Note 7: CAS stands for Cartridge Access Station.

Note 8: Including rackmount kit (1U: 44.45mm=1.75 inch).

Note 9: Excluding cartridge cell weight.

Note 10: Including the weight of a rack mount tray (8kg).

Note 11: The maximum number of tape drives is 8.

This comparison chart is correct as of June 8, 2009. Contents are subject to change without notice.