

IBM TS4300 Performance Specifications of Full Height (FH) Drives

Generation	LTO 9 Drives (FH)	LTO 8 Drives (FH)	LTO 7 Drives (FH)	LTO 6 Drives (FH)
Interface Speed/Type	8 Gb FC Two Port 12 Gb SAS Two Port	8 Gb FC Two Port	8 Gb FC Two Port	8 Gb FC Two Port
Native Data Rate	400 MB/s (Ultrium 9) 360 MB/s (Ultrium 8)	360 MB/s (Ultrium 8) 300 MB/s (WORM Ultrium 8) 300 MB/s (Ultrium 7)	300 MB/s (Ultrium 7) 160 MB/s (Ultrium 6) 140 MB/s (Ultrium 5)	160 MB/s (Ultrium 6) 140 MB/s (Ultrium 5) 120 MB/s (Ultrium 4)
Sustained Data Rate 2.5:1 compression	FC 750 MB/s (Ultrium 9) FC 750 MB/s (Ultrium 8) SAS 1000 MB/s (Ultrium 9) SAS 900 MB/s (Ultrium 8)	750 MB/s (Ultrium 8) 750 MB/s (WORM Ultrium 8) 750 MB/s (Ultrium 7)	750 MB/s (Ultrium 7) 400 MB/s (Ultrium 6) 280 MB/s (Ultrium 5)	400 MB/s (Ultrium 6) 280 MB/s (Ultrium 5) 240 MB/s (Ultrium 4)
Burst Data Rate	FC 800 MB/s SAS 1200 MB/s	FC 800 MB/s	FC 800 MB/s	FC 800 MB/s SAS 600 MB/s

IBM TS4300 Performance Specifications of Half Height (HH) Drives

Generation	LTO 9 Drives (HH)	LTO 8 Drives (HH)	LTO 7 Drives (HH)	LTO 6 Drives (HH)
Interface Speed/Type	8 Gb FC One Port 12 Gb SAS Two Port	8 Gb FC One Port 6 Gb SAS Two Port	8 Gb FC One Port 6 Gb SAS Two Port	8 Gb FC One Port 6 Gb SAS Two Port
Native Data Rate	300 MB/s (Ultrium 9-8)	300 MB/s (Ultrium 8-7)	300 MB/s (Ultrium 7) 160 MB/s (Ultrium 6) 140 MB/s (Ultrium 5)	160 MB/s (Ultrium 6) 140 MB/s (Ultrium 5) 120 MB/s (Ultrium 4)
Sustained Data Rate 2.5:1 compression	FC 700 MB/s (Ultrium 9-8) SAS 720 MB/s (Ultrium 9-8)	FC 700 MB/s (Ultrium 8-7) SAS 600 MB/s (Ultrium 8) SAS 540 MB/s (WORM Ultrium 8) SAS 500 MB/s (Ultrium 7)	FC 700 MB/s (Ultrium 7) FC/SAS 400 MB/s (Ultrium 6) FC/SAS MB/s (Ultrium 5) SAS 500 MB/s (Ultrium 7)	FC/SAS 400 MB/s (Ultrium 6) FC/SAS 280 MB/s (Ultrium 5) FC/SAS 240 MB/s (Ultrium 4)
Burst Data Rate	FC 800 MB/s SAS 1200 MB/s	FC 800 MB/s SAS 600 MB/s	FC 800 MB/s SAS 600 MB/s	FC 800 MB/s SAS 600 MB/s

IBM TS4300 Tape Library Maximums

Maximum Slots	40 Tape Media Slots per TS4300 (3U) 280 Tape Media Slots with six TS4300 3555-E3A Expansions (21U)
Maximum Drives	1FH + 1HH or 3 HH

LTO Ultrium Tape Media Storage Capacities and IBM TS4300 Tape Library Maximums

Media Generation	Native Backup Capacity	Compressed Backup Capacity	Native Max for 40 Slots	Native Max with 6 Expansions
Ultrium 9	18 TB	45 TB	720 TB	5 PB
Ultrium 8	12 TB	30 TB	480 TB	3.36 PB
Ultrium 7	6 TB	15 TB	240 TB	1.68 PB
Ultrium 6	2.5 TB	6.25 TB	100 TB	700 TB
Ultrium 5	1.5 TB	3 TB	60 TB	420 TB
Ultrium 4	800 GB	1.6 TB	32 TB	224 TB

20,000 Load/Unload Cycles is Cartridge Lifespan

LTO Ultrium Tape Media Backward Compatibility Chart

Media Generation	LTO 9 Drives	LTO 8 Drives	LTO 7 Drives	LTO 6 Drives
Ultrium 9 02XW568	Read/Write			
Ultrium 8 01PL041	Read/Write	Read/Write		
Ultrium 7 38L7302		Read/Write	Read/Write	
Ultrium 6 00V7590			Read/Write	Read/Write
Ultrium 5 46X1290			Read	Read/Write
Ultrium 4 95P4436				Read

35L2086 - Ultrium Cleaning Cartridge

IBM TS4300 Tape Drive Options

Feature	Part Number	Description
IBM AGLC	02XX417	LTO 9 FH 8 Gb Fiber Channel Tape Drive with Two Ports
IBM AGLB	02XX411	LTO 9 HH 12 Gb SAS Tape Drive with Two Ports
IBM AGLA	02XX413	LTO 9 HH 8 Gb Fiber Channel Tape Drive with One Port
IBM AGLD	02XX415	LTO 9 FH 12 Gb SAS Tape Drive with Two Ports
IBM AGKP	00GH814	LTO 8 FH 8 Gb Fiber Channel Tape Drive with Two Ports
IBM AGKM	00GH812	LTO 8 HH Tape Drive 8 Gb Fiber Channel with One Port
IBM AGKN	00GH810	LTO 8 HH 6 Gb SAS Tape Drive with Two Ports
IBM AGKL	00GH768	LTO 7 FH 8 Gb Fiber Channel Tape Drive with Two Ports
IBM AGKJ	00GH766	LTO 7 HH Tape Drive 8 Gb Fiber Channel with One Port
IBM AGKK	00GH764	LTO 7 HH 6 Gb SAS Tape Drive with Two Ports
IBM AGKH	00GH763	LTO 6 FH 8 Gb Fiber Channel Tape Drive with Two Ports
IBM AGKG	00GH759	LTO 6 HH 6 Gb SAS Tape Drive with Two Ports
IBM AGKF	00GH761	LTO 6 HH 8 Gb Fiber Channel Tape Drive with One Port