



ATL Tape Libraries™

ATL P7000

FEATURES AND BENEFITS

- Up to 679 data cartridges in a single cabinet – highest density for efficient use of space
- Up to 16 drives in a single cabinet – high performance
- Fibre Channel, Gigabit Ethernet (NDMP or iSCSI²) or SCSI – able to adapt to any IT department's environment
- Supports SDLT 320² and SDLT 220, DLT8000 and LTO Ultrium – investment protection to new technologies
- Up to 766TB² capacity – highly scalable
- Up to 9.2TB/hr² of performance – meets stringent backup window limits
- Management option – remotely manage and monitor library status from any web portal
- ALERT Notification option – instantly receive status warnings via email or pager
- No on-site assembly required – quicker installations
- Quick bulk loading and unloading – avoids tedious inventory delay
- Hot-swappable tape drives, power modules and fans – increase uptime and will not disrupt operations

Introducing the Best-in-class Automated Library

Quantum continues to define the standard in data tape automation with the introduction of the ATL P7000 storage system. This fourth-generation design revolutionizes how IT professionals solve their requirements for high performance coupled with a rational investment. The ATL P7000 exceeds the competition in capacity, density, reliability, flexibility, and return on investment. Fortune 100 companies know that the data is the business – that's why the majority partner with Quantum.

Highest Data Density Tape Library

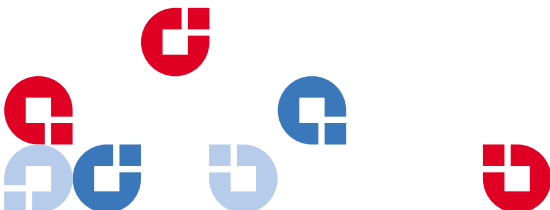
In today's business environment, the winners maximize their returns in every area. The data center should be no exception. By offering the highest Super DLTtape™ and LTO Ultrium™ data density on the market – about half the footprint of the nearest competitor – Quantum allows for the most efficient use of space, power, and cooling. Starting at 128TB¹ of capacity, this library can meet the current needs of the most intensive data operations. With a simple field upgrade, capacity can be increased to 178TB and then to 217TB to sustain future growth¹. Mission-critical data is readily accessible for restoring vital files and systems, avoiding costly downtime.

Lowest Total Cost of Ownership

Wise decisions provide benefits for years into the future. In addition to providing all of the features and functionality desired for data center operations, the ATL P7000 maintains its competitive edge by delivering the lowest total cost of ownership. Every design aspect has been optimized to provide savings in service, installation, power consumption, cooling requirements, and floor space. Further savings are generated by the high reliability and availability of the ATL P7000. Hot-swappable drives, power supplies, and fans; redundant AC controllers, and no required preventative maintenance allows more time spent running critical operation instead of maintaining it.

Flexible Architecture Retains Investment

Needs change too quickly to be burdened with a one-size-fits-all solution. That's why the ATL P7000 has been engineered to deliver growth in capacity, throughput, and interfaces. The base system can scale throughput performance up to 1.73TB per hour, satisfying the smallest backup windows. The expansion option allows ATL P7000 system growth to over 500TB¹ of capacity or 7TB/hr² of throughput. Additionally, the Prism* Storage Architecture™ ensures that the library can accept the latest interfaces and options today and well into the future.



StorageCare Product Warranty and Services

The ATL P7000 includes a one-year Next Business Day (5X9XND) on-site warranty. Under the 5x9xNext Day warranty, a StorageCare Field Engineer responds on-site during the next business day, five days a week, nine hours a day (Monday-Friday, 8AM-5PM, local time, excluding Quantum or country holidays). In addition, Quantum offers a variety of StorageCare product installation, integration, on-site service and support options to complement your ATL P7000 library. Quantum's exclusive SiteCare service upgrade provides proactive maintenance on tape library storage and subsystems to substantially reduce downtime.

ATL P7000 SPECIFICATIONS

ATL P7000 Single Chassis

Capacity (TB)

Cartridges	Drives	SDLT 320 native	SDLT 320 2:1 compression ¹	SDLT 220 native	SDLT 2:1 compression ²	LTO native	LTO 2:1 compression ³	DLT8000 native	DLT8000 2:1 compression ³
679	1 to 8	109	217	74.7	149	67.9	136	27.2	54.3
595	1 to 16	95.2	190	65.5	131	59.5	119	23.8	47.6
555	1 to 16	88.8	178	61.1	122	55.5	111	22.2	44.4
399	1 to 16	63.8	128	43.9	88	39.9	80	16.0	31.9
Multi-chassis⁵									
2394	1 to 80	383	766	263	527	239	479	95.8	192

Performance (GB/Hr)

Drives	SDLT 320 native	SDLT 320 2:1 compression ¹	SDLT 220 native	SDLT 2:1 compression ²	LTO native	LTO 2:1 compression ³	DLT8000 native	DLT8000 2:1 compression ³
1	57.6	115	39.6	79.2	54.0	108	21.6	43.2
8	461	922	317	634	432	864	173	346
16	922	1,843	634	1,267	864	1,728	346	691
80	4,608	9,216	3,168	6,336	4,320	8,640	1,728	3,456

Robotics Reliability

MTBF	250,000 power-on hours
MSBF	2 million load/unload cycles (swaps)
MTTR	Less than 30 minutes

Host Interfaces

SCSI Interface	Ultra2 SCSI LVD 68-pin Micro D female connectors
Gigabit Ethernet	NDMP or iSCSI ² RJ-45 connectors
Fibre Channel	Switched Fabric, Point-to-Point or Arbitrated Loop Multi-mode optical, SC connector

Library Configurations

100/10	
171/8 or 165/10	
322/8 or 316/10	
Load port:	12 slots for SDLT and DLTape, 8 slots for LTO Ultrium

Power Input

Electrical Rating	100-240 VAC, 16-8A, 60/50 Hz
Power Dissipation	1,600W (16 drives, 2N power)
Heat Load	5,400 BTU/hr
Power Cord	US NEMA 5-20P male to IEC 320 C19 female, Rated 125 VAC, 20A

Environmental

Operating	
Humidity	20% to 80%, noncondensing
Temperature	50°F to 90°F (10°C to 32°C)
Altitude	Sea level to 10,000 ft. (0 to 3,048 meters)
Non-operating (storage & shipping)	
Humidity	5% to 95%, noncondensing
Temperature	-40°F to 149°F (-40°C to 65°C)
Altitude	Sea level to 40,000 ft. (0 to 12,192 meters)

Cabinet Characteristics

Height	75in. (191cm)
Width	60in. (152cm)
Depth	29in. (74cm)
Weight	985 lbs (447kg) plus 13.5 lbs (6.1kg) per drive

Agency Approvals

Safety	UL1950 Listed, cUL, C22.2-No. 950, NEMKO-GS Mark
Emission	FCC Part 15 Class A, CE Mark (89/336EEC,73/23EEC) VCCI Class A, AUSTEL

1. With SuperDLT 320 tape drive and 2:1 data compression that may vary based on data type and other variables. Please see your Quantum Sales Representative for availability.
2. Please check with your Quantum Sales Representative for availability.

3. Assumes 2:1 data compression which varies by data type, drive type, and other factors.
4. One ATL P4000 connected to three ATL P7000's.
* Please refer to Prism datasheet for more details.



For more information, visit quantum.com

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