

P1000

P1000

AUTOMATED LIBRARY

FEATURES AND BENEFITS

- Hot-swap tape drives
- Up to four DLTtape drives and 30 cartridges in a single library
- Up to 6.6 TB capacity¹
- Up to 317 GB per hour performance¹
- New Pass-Through feature allows up to three P1000s to be linked as a single library with up to twelve Super DLTtape drives and 84 cartridges, providing up to 18.5 TB capacity and up to 950 GB per hour performance¹
- Fibre Channel or SCSI interface
- Modular Prism Storage Architecture
- The ultimate in reliability with IntelliGrip™ robotics
- Deskside and rackmount enclosures
- Touch screen controls with browser-like graphical user interface
- Supported by most major data protection packages
- WebAdmin software for remote administration
- Load port for online tape exchange

ENTERPRISE-CLASS RELIABILITY IN ENTRY LEVEL DLTtape LIBRARIES

Storing almost seven terabytes¹ in only 3.4 square feet and optional Fibre Channel Support for Storage Area Networks (SANs), the P1000 DLTtape™ library is ideal for small- and medium-sized work groups or for an enterprise with distributed data.

SPEED AND CAPACITY

A single P1000 library supports up to four DLT7000, DLT8000 or Super DLTtape™ drives and 16 or 30 cartridges for a data transfer rate up to 317 GB¹ per hour and a capacity up to 6.6 TB.¹ In an eight-hour window, a single P1000 can backup 2.5 TB.¹

IMPROVED CAPACITY AND PERFORMANCE WITH THE NEW PASS-THROUGH FEATURE

Now with Quantum|ATL's new Pass-Through feature, up to three P1000s can be linked together as a single library offering up to twelve Super DLTtape drives and up to 84 cartridges providing storage up to a capacity of 18.5 TB¹ and a data transfer rate up to 950 GB/hr.¹ This library can now backup up to 7.6 TB¹ in an eight-hour window!

DESKSIDE TO DATA CENTER

Available in deskside and rackmount configurations, the P1000 addresses the needs of the enterprise from deskside to data center.

LOW COST OF OWNERSHIP

The P1000 is designed to provide a low cost of library ownership, enabling users to add tape drives and cartridge slots when needed. Link up to three rackmounted libraries to scale capacity and performance with complete investment protection. Hot-swap tape drives and other key components are user-replaceable for easy upgrades, and an advanced graphical user interface makes it effortless for anyone to control the P1000.

WEBADMIN FOR REMOTE ADMINISTRATION

With Quantum|ATL's WebAdmin™ software, the P1000 is accessible from anywhere on the Web for remote administration. WebAdmin provides real-time library monitoring, SNMP integration, event logging, predictive failure analysis and event notification from a Java™-enabled web browser.²

PRISM STORAGE ARCHITECTURE FOR "FUTURE PROOF" STORAGE

Quantum|ATL's Prism Storage Architecture™ makes the P1000 "future proof". Harnessing the power of a PCI expansion bus, the P1000 supports field-installable upgrades such as Fibre Channel adapters and paves the way for future technologies.

QUANTUM|ATL PRISM OPTIONS

Quantum|ATL's Prism Options are tools for integrating a P1000 into enterprise infrastructures. The Fibre Channel Option easily converts the library from SCSI to Fibre Channel enabling SAN connectivity. Fibre Channel enables easy library sharing across multiple host systems and allows increased distances between servers and the P1000. Other future Prism Storage Options will add advanced management and serverless backup tools.³

1. Using SDLT 220 tape drives and 2:1 data compression that may vary based on data type and other variables.

2. Each library in a multi-unit configuration with Pass-Through is monitored individually.

3. Check with your Quantum|ATL representative for availability.



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WORLDWIDE SERVICE AND SUPPORT

The P1000 library includes warranty and service options designed to fit your needs and is serviced by world-class trained and certified Quantum|ATL service technicians. Special services include installation support, on-site customized consulting and SiteCare™ proactive service and training.

ABOUT Quantum|ATL

Quantum|ATL is a worldwide market leader in the design, manufacture and service of automated tape libraries used to manage, store and transfer data in enterprise networked computing environments. Quantum|ATL's objectives are to fulfill our customer's needs for storage growth and support, while providing the security that comes from reliable products. Our DLTtape and LTO Ultrium™ library systems are sold worldwide through direct sales, original equipment manufacturers (OEM) and an extensive network of authorized resellers and distributors. Headquartered in Irvine, California, Quantum|ATL operates one of the most advanced and largest manufacturing facilities for automation technology and complies with ISO 9001 quality system standards. Sales and service are provided throughout major cities in North America, Latin America, Europe and Asia. For additional information, please visit our website at www.QuantumATL.com.

SPECIFICATIONS

Capacity⁴ (TB)	DLT7000	DLT8000	SDLT 220	Power Input	
16 slots (1 P1000)	1.12	1.28	3.52	Electrical Rating	100-120/200-240 VAC, 6/3A, 60/50 Hz
30 slots (1 P1000)	2.10	2.40	6.60	Dissipation Heat Load	360W, 1,230 BTU/Hr.
57 slots (2 P1000s)	3.99	4.56	12.5	Power Cord	US NEMA 5-15P male / IEC 320 C13 female
84 slots (3 P1000s)	5.88	6.72	18.5	Environmental Operating	
Performance⁴ (GB/hour)				Humidity	20% to 80%, noncondensing
1 drive (1 P1000)	36.0	43.2	79.2	Temperature	50°F to 104°F (15°C to 32°C)
4 drives (1 P1000)	144	173	317	Altitude	Sea level to 10,000 ft. (0 to 3,048 meters)
8 drives (2 P1000s)	288	346	634	Non-operating (storage & shipping)	
12 drives (3 P1000s)	432	518	950	Humidity	5% to 95%, noncondensing
SCSI Interface	Fast/Wide SCSI-3 differential	Fast/Wide SCSI-3 differential	Ultra SCSI HVD	Temperature	-40°F to 151°F (-40°C to 66°C)
				Altitude	Sea level to 40,000 ft. (0 to 12,192 meters)
Robotics Reliability				Cabinet Characteristics	
MTBF	250,000 power-on hours			Height	Rackmount: 18 in. (46cm)
MSBF	2 million load/unload cycles (swaps)				Rackmount with slides: 21 in. (53cm)
					Deskside: 21 in. (53cm)
SCSI Connector				Width	17.5 in. (45cm)
	68-pin Micro D female connectors			Depth	28 in. (71cm)
Fibre Channel Interface	100MB/sec, Multi-mode optical, SC connector			Weight	Rackmount: 89 lbs. (40kg)
					Deskside: 101 lbs. (46kg)
Library Diagnostics				Agency Approvals	
Port	9-pin RS-232C, EIA/TIA-574 female connector (cable included)			Safety	UL1950 Listed, CSA, C22.2-No. 950
Diagnostics	Service port for connection to field service PC diagnostic software			Emission	TUV-EN60950
					FCC Part 15B Class A, CE Mark VCCI Class 1

4. Assumes 2:1 data compression that may vary by data type and other variables.



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Quantum|ATL maintains offices throughout the USA, Europe and Asia