

Quantum PX720 Tape Library



FEATURES AND BENEFITS

- Customer-driven design with high reliability fifth generation robotics
- Accommodates from one to 20 drives and up to 726 media slots - scaling to over 3,500 slots - for unmatched performance/capacity ratios
- Supports SDLT 320, SDLT 600, LTO-2 and LTO-3 tape drives
- High-availability and redundant components included at no additional charge
- Maximum flexibility with user-programmable load ports
- Extreme density per square foot - up to 18.5TB/sq. foot with SDLT 600 or up to 27.9TB/sq. foot with LTO-3
- Web-based management with alert notification, component-level diagnostics and SNMP integration included at no additional charge
- Multiple connectivity choices enables you to standardize on one or mix-and-match for storage consolidation
- Installation and one-year on-site warranty included at no extra charge

The New Standard in Enterprise Automation

Quantum PX720

The Quantum PX720 is an innovatively designed automation platform unlike any other. Uniquely engineered to deliver standard features customers expect, you are secure knowing that your data is protected by both redundant and high-availability components. The PX720 is a versatile platform that reliably tackles increasingly complex data protection challenges while allowing you to plan for increased data growth and control management costs.

Reliability for Maximum Up-time.

Developed with five generations of enterprise experience, the PX720 uses fast, counter-weighted, vision-system robotics for reliability and high precision accuracy. With standard redundant power supplies and fans and non-disruptive power capabilities, there is no need to trade-off high-availability design for price. Designed for easy serviceability and upgradability, all major components can be replaced or added from the front or rear of the library, allowing the library to rapidly get on-line and stay on-line.

Flexibility to Deliver the Right Solution

The PX720 offers multiple connectivity choices on which you can standardize on one, or mix-and-match to address consolidation pain-points. A hallmark of Quantum products, the PX720 has been interoperability tested to adapt into your current network structure or configured into a newly defined network infrastructure. With Quantum's balanced approach to 1/2 inch, high performance linear tape drives, you can be assured that the PX720 can meet your need for either SDLT or LTO drive types. Our library management and

component-level monitoring software comes standard - meaning no extra cost to you. It features remote management, alert notification and support for SNMP traps in addition to monitoring capability that is far more granular than any other product in automation. In addition, load port configurations are user-programmable and can be changed and adapted to meet current and future needs. Load port slots can be configured from 0 to 42 slots with SDLT or from 0 to 48 slots with LTO.

Scalability for Growth Protection

The PX720 offers Performance on Demand (PoD), which means that as the library grows to meet changing performance needs, you only pay for the infrastructure required. With Capacity on Demand (CoD), the PX720 delivers the ability to change capacity configurations by only paying for capacity as needed. For scalability above a single frame, the Crosslink Mechanism (CLM) allows your platform to grow to 100 drives and over 3,500 media slots. With up to five units linked together with the CLM, the expanded configuration is "seen" by the backup software package as a single library for easier management and consolidation.

Superior Value

Since features like management and monitoring, redundant power and cooling, library installation and training are all included, the PX720 is the easiest library in its class to configure, order and purchase. Leveraging Quantum developed concepts like PoD and CoD, you can budget, pay for and capitalize on the right configuration when it is needed and not over-spend at the time of acquisition.



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About Quantum

Quantum, a global leader in storage, delivers highly reliable backup, recovery and archive solutions that meet demanding requirements for data integrity and availability with superior price/performance and comprehensive service and support. Quantum is the world's largest supplier of tape drives, and its DLT®, LTO Ultrium, DAT/DDS and Travan-based technologies set the standards for tape backup, recovery and archive of business-critical data for the small business to mid-range enterprise. Quantum offers the broadest portfolio of tape autoloaders and libraries and is one of the pioneers in the disk-based backup market, providing solutions that emulate a tape library but are optimized for backup and recovery.

QUANTUM PX720 SPECIFICATIONS

Capacity (TB) ¹				Robotics Reliability	
Entry	Slots	Native	Compressed	MTBF	250,000 power-on hours
SDLT 320	190	30.4	60.8	MSBF	3 million load/unload cycles (rated)
SDLT 600	190	57.0	114	MTTR	Less than 30 minutes
LTO-2	214	42.8	85.6	Host Interface	
LTO-3	214	85.6	171	SCSI	Ultra SCSI "P" Fast & Wide 68-pin
Intermediate				(LVD only - Ultra 160)	Micro D female connectors
SDLT 320	382	61.1	122	FC	2Gb Multi-mode optical, LC connector
SDLT 600	382	115	229	Power Input	
LTO-2	430	86.0	172	Electrical Rating	200 VAC to 240 VAC
LTO-3	430	172	344	Power Dissipation	1,600W (standard 2N power)
Full ²				Heat Load	5,500 BTU/hr
SDLT 320	642	103	205	Power Cord (qty 2)	Standard US, IEC 320 C19 female connector rated at 240VAC
SDLT 600	642	193	385	Environmental	
LTO-2	726	145	290	Operating	
LTO-3	726	290	581	Humidity	20% to 80%; noncondensing
Performance (GB/hr)				Temperature	15°C to 32°C (59°F to 90°F)
4 drives	SDLT 320	230	461	Altitude	Sea Level to 10,000 ft.
	SDLT 600	518	1,037	Non-operating (storage and shipping)	
	LTO-2	432	864	Humidity	5% to 95%
	LTO-3	1,152	2,304	Temperature	-40°C to 65°C (-40°F to 149°F)
8 drives	SDLT 320	461	922	Altitude	Sea Level to 40,000 ft.
	SDLT 600	1,037	2,074	Cabinet Characteristics	
	LTO-2	864	1,728	Height	75in. (191cm)
	LTO-3	2,304	4,608	Width	30in. (76cm)
12 drives	SDLT 320	691	1,382	Depth	50in. (127cm)
	SDLT 600	1,555	3,110	Footprint	10.4sq.feet (0.97sq.meters)
	LTO-2	1,296	2,592	Loadport	User-programmable: 0,14, 28 or 42 (SDLT) or 0,16, 32 or 48 (LTO)
	LTO-3	3,456	6,912		
16 drives	SDLT 320	922	1,843		
	SDLT 600	2,074	4,147		
	LTO-2	1,728	3,456		
	LTO-3	4,608	9,216		
20 drives	SDLT 320	1,152	2,304		
	SDLT 600	2,592	5,184		
	LTO-2	2,160	4,320		
	LTO-3	5,760	11,520		

Quantum



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