

DISC ArXtor Appliance & QStar Archive Manager for Long-Term Archiving

As the volume of information that organizations create continues to grow rapidly every year, the amount of new storage capacity installed follows this trend. Since hard disk prices continue to decline, many companies have resigned themselves to simply adding more RAID instead of putting policies into place for a more effective utilization of storage tiers.

80% of the data on most networks is inactive but remains on hard disk which is a waste of valuable online storage capacity. This includes a high level of redundancy as data is often stored and backed-up several times. And the frequent need for technology refreshments and data migrations of RAID solutions (every 3-5 years) contribute to this expensive short-term storage solution.

The combined DISC ArXtor Appliance and QStar Archive Manager Solution facilitates a drastic reduction in storage and storage management costs with a simple, long-term solution for data migration, centralized data management and automated archive storage.



Powerful software Delivers Data Accessibility, Retention and Protection

QStar Archive Manager creates an Active Archive by virtualizing the DISC ArXtor Appliance, presenting the archive as a network share using industry standard CIFS or NFS protocols. Users can easily search and retrieve data directly from the archive. Even offline media is efficiently tracked for simple retrieval.

A robust retention management feature is provided by QStar Archive Manager software, ensuring that valuable archived data is managed and protected efficiently. Retention management securely retains files in a read-only format, within the archive, for a pre-determined period of time. Multiple retention periods can be created to support different data sets to meet varying compliance needs.

The solution offers several disaster protection strategies: A simple, low-cost strategy is to simply make a media copy and remove it from the DISC ArXtor Appliance for transport to a remote location. More advanced alternatives are optional mirroring or replication, to other on-site or off-site ArXtor Appliances.

Key Benefits

- Secure Long-Term Data Management and Preservation – online and offline
- Automated retention management, which prevents files from being altered or deleted, to meet internal governance or compliance requirements
- Standard Media copy feature or optional mirroring and replication for disaster prevention
- Leading-edge Appliance solution for near-line and off-line archiving
- Seamless integration with any application server using industry standard CIFS/NFS protocols as a standard network share, providing access to all archived data
- Green storage technology with the lowest power consumption available
- Long-term 50+ year Blu-ray Disc media life with true WORM support
- DISC SmartPack removable media technology offers infinite off-line media storage

Next Generation Network-Attached Blu-ray Archival Storage Appliance

The DISC ArXtor Appliance Series offers a complete range of Blu-ray optical archiving solutions for long-term and compliant data archive storage. The ArXtor Appliance consists of a Blu-ray library with an integrated server, eliminating the need for additional storage management hardware and combining the speed of hard disk with the durability of Blu-ray Optical Technology.

QStar Archive Manager software facilitates transparent integration, support and network connectivity over a GigE LAN with no local client agents required. Based on KVM Open-source Hypervisor, the ArXtor Appliance can be configured with up to two virtual environments, providing numerous integration possibilities. The web-based GUI is also available on the front-panel touch display, facilitating simple yet powerful local and remote setup and diagnostic capabilities. Blu-ray optical technology avoids the need for costly technology refreshments and fulfills customer requirements (longevity, compliance, backward compatibility etc.) as part of its standard features and provides a sustainable long-term solution whereby the customer can truly “file and forget”.





VIRTUAL MACHINES: PURPOSE-BUILT APPLIANCES

SPECIFICATIONS DISC ARXTOR APPLIANCE OPTICAL BLU-RAY LIBRARIES

	ArXtor1000	ArXtor4000	ArXtor7000
Library characteristics:			
Total # of Media Slots	15/105	145/370	510/660
Number of drives	1-2	2-6	2 - 10
Capacity TB (BDXL 128GB Media)	1.5 / 10.5	14.5 / 37	51/66
SmartPacks (removable 15-discs)	3 / 4	4	4
Avg. media exchange times (seconds)	2	4	6
Automation connectivity	iSCSI	iSCSI	iSCSI
Drive connectivity	iSCSI	iSCSI	iSCSI
Media formats	BDXL-R,BD-ROM, BD-R, BD-RE, DVD, CD	BDXL-R,BD-ROM, BD-R, BD-RE, DVD, CD	BDXL-R,BD-ROM, BD-R, BD-RE, DVD, CD
Media capacity	Up to 100GB	Up to 100GB	Up to 100GB
Media characteristics	120 mm Single Sided Hard Coated Surface	120 mm Single Sided Hard Coated Surface	120 mm Single Sided Hard Coated Surface
Platform Characteristics:			
Virtual machines	2	2	2
Hard disks	2 X 500GB	2 X 500GB	2 X 500GB
Processor	Dual core T9400	Dual core T9400	Dual core T9400
Memory	8GB	8GB	8GB
Optional storage expansion:			
Hot swappable hdd	Max. 8 X 2,5" 1 TB disk	Max. 8 X 2,5" 1 TB disk	Max. 8 X 2,5" 1 TB disk
Hardware Raid controller	Included	Included	Included
Software Support:			
	Support for Windows, Apple MAC, Linux thru QStar Archive Manager Software	Support for Windows, Apple MAC, Linux thru QStar Archive Manager Software	Support for Windows, Apple MAC, Linux thru QStar Archive Manager Software
	Optional virtual machines	Optional virtual machines	Optional virtual machines
Net dimensions / weight:			
Width without stands	290mm / 11.5"	385mm / 15.2"	385mm / 15.2"
Width with stands	n/a	535mm / 21.1"	840mm / 33.1"
Height	451mm / 17.8" (11U)	1020mm / 40.2" (23U)	1547mm / 61" (35U)
Depth	730mm / 28.7"	705mm / 27.8"	705mm / 27.8"
Weight (without media)	30kg / 66lbs	70kg / 154lbs	110kg / 242lbs
Power consumption:			
Average (watts)	120	180	240
Peak (watts)	180	450	920
Power supply (autoswitching):			
	Redundant	Redundant	Redundant
Voltage	100 - 220 VAC	100 - 220 VAC	100 - 220 VAC
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Current	4 - 8 Amps	4 - 8 Amps	4 - 8 Amps
Thermal emissions in BTU's per hour:			
Average	410	615	820
Peak	615	1,540	3,140

* Product design and specifications are subject to change without notice
 ** Library/media slots shown for 2 drives, for each additional pair of drives, slot count is reduced by 30 slots.
 ***Standard configurations include 5 or 8 hard disks (RAID 6 Configuration) . Other configurations available on request.



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