Solution for Small to Medium Archives

Archives of any size require enterprise-level security, performance, preservation, and management. The *NET*Archive® for small to medium archives delivers those qualities with an integrated solution that supports up to 48TB of nearline storage with an unlimited capacity for management of offlined media.

The NETArchive S Series library and drives are integral to the network attached system, and operate in synch with the Archive Management Software (AMS) and the Storage Management System (SMS) Server with RAID storage. Optimized for an office environment, all components are conveniently mounted in an optional desktop mini-rack or standard AV rack.

The NA-S10 supports up to ten ODA media cartridges providing 48 TB of archive storage, and one or two high-performance ODA drives. ODA Media Cartridges provide a high level of protection, preventing human contact with the actual media and provide uncompromised environmental protection. The advanced optical drive design features a multi-platter loading mechanism, with up to four optical heads and eight data channels, providing extremely fast transfer speeds.

The cartridges are loaded into the library via a convenient drawer that enables rapid access and exchange of cartridges. Library robotics include a fully automated media transport assembly that moves cartridges between slots and drives. ODA Optical Drives are directly connected to the SMS Server via FibreChannel, ensuring the fastest speeds possible.

The NETArchive is highly scalable solution. Initially starting at 48TB of nearline storage, with a simple licensing change, the library expands to an enterprise class NA-S30 library with up to 30 media cartridges and a 144TB storage capacity. By then extending the physical library within the same rack with optional add-on library modules and ODA drives, the NETArchive enterprise class libraries scale to 2.5PB of nearline storage capacity, providing protection for your investement.

NA-S10U Library Features

- Excellent solution for small to medium archives
- Compact size optimized for an office environment
  - No special environmental conditions required
  - Optional Desktop mini-rack or standard AV rackmount options available
- Highly reliable, fully automated robotics
- Supports 1 or 2 optical ODA Drives
- Optional redundant power supply for high availability
- Convenient pullout media drawer for fast loading and media exchanges
- Up to 48 TB near-line capacity with nearly unlimited offline media management
- Highly scalable to meet future capacity and performance needs, scaling up to 2.5PB in near-line storage capacity
- SMS, AMS and Library components are fully integrated and automated for easy setup and operations
- SMS to Drives Connectivity - FibreChannel
- Advanced optical drive design with dual optical heads and data channels
  - High speed 10K+RPM ensures fastest optical transfer speeds
  - Drives feature multi-platter loading mechanism

NA-S10 Library

Optimized for the office environment but built for scalability, providing investment protection for growing organizations

NA-S10 Library Specifications

Library Dimensions & Weight			
Dimensions W x H x D (excluding protrusions)	17.625 " x 12.25" x 37.125" (445 x 308 x 940 mm)		
Weight (lbs / kgs) (not including drive units & cartridges)	66 lbs 2.2 oz (30kgs)		
Shipping Dimensions L x W x H (inches)	43" x 22" x 18.5" (1092.2 x 558.8 x 469.9 mm)		
Shipping Weight (lbs / kgs)	94 lbs (42.6 kgs)		
Library Power			
Operating Voltage (auto ranging)	100 to 240 VAC (50-60Hz)		
Power Consumption	312 watts		
ODA Drive Specifications	**ODA1**	**ODA2**	**ODA3**
Drive Weight (lbs / kgs)	9 lbs 7 oz (4.3kg)	10 lbs 9 oz (4.8kg)	10 lbs 9 oz (4.8kg)
Drive Dimensions W x L X D (inches/mm) (excluding protrusion)	5.75" x 3.625" x 15.75" 146 x 84 x 398 mm	5.75" x 3.75" x 16.25" 146 x 95 x 413 mm	5.75" x 3.76" x 16.31" 146 x 95.5x 414.4 mm
Drive Shipping			
Shipping Weight (lbs/kg)	12.625 lbs (5.74kgs)	13.13 lbs (6.24kgs)	13.13 lbs (6.24kgs)
Shipping Dimensions LxWxH (inches/mm)	21.5 "x 11" x 9" (546.1 x 279.4 x 228.6 mm)	21.5" x 11" x 9" (546.1 x 279.4 x 228.6 mm)	21.5" x 11" x 9" (546.1 x 279.4 x 228.6 mm)
Drive Power			
Operating Voltage (AC Adaptor supplied)	19.5 VDC	19.5 VDC	19.5 VDC
Power (W)	20 (average)		
Drive Media & Data Transfer Speeds			
Media Capacity & Type	1.5 TB WORM	3.0 TB WORM	4.81 TB WORM
Product code	NA1500WOBARX1	NA3300WOBARX1	NA5500WOBARX1
Write with verify	46 MB/s	92 MB/s	187.5 MB/s
Write without verify	91 MB/s	182 MB/s	375 MB/s
Read	141 MB/s	282 MB/s	375 MB/s
Fibre Channel Connectivity	8 Gbps	8 Gbps	8 Gbps
SMS Connectivity to Drives			
FibreChannel	Dual Port FibreChannel 8Gb/s HBA's		
System Environment			
Operating Temperature	50°F to 95° F (10°C to 35°C)		
Operating Humidity (non-condensing)	20% to 80% RH		
Heat Dissipation (1 ODA drive & SMS Min BTU/per hour)	881 BTU/hr		
System Warranty			
System Warranty	1 Year Warranty		

Cloud, Encryption & Replication Options

Through implementation of ASTI's Cloud feature, users can realize virtually unlimited storage capacity. The cloud option integrates seamlessly with industry-leading cloud service providers to offer transparent data archiving. All archived data, stored locally or in the cloud, is monitored and managed from a single vantage point via the AMS interface.

The FIPS 140-2 compliant Encryption feature is available to provide security for archive data at rest and in motion. Built-in resilient encryption key management and vaulting assure peace of mind.

When high-availability and fast Recovery Time Objectives are paramount for the business, the Replication feature provides full data replication between active and passive NETArchives, with integrated fail-over and failback functionality.

NETArchive Rack Options

19" Mini-Rack Mounted Dimensions (9U supports Library & SMS)
Other racks available in 12U, 25U, 42U and 48U

Overall Dimensions (W x D) Note: All racks are AV Racks	23" x 36"
Rack Sizes Available	9U, 12U, 25U, 42U, 48U

Highly Scalabe - Expandable to 2.5 PB of Near-line Storage Capacity

Notes:

- Reference AMS and SMS datasheets for further details
- Usable media capacity may vary due to operating environment