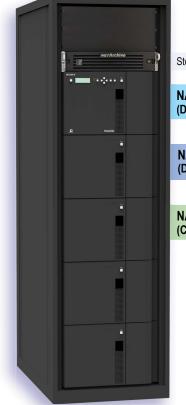
Enterprise Libraries

The scalable architecture of the *NET*Archive[®] Enterprise libraries and drives enable businesses and organizations to implement an archiving system with the balance of capacity and performance required for preserving, securing, and accessing your valuable digital assets.

There are a variety of standard configurations from which to choose with a master library and an impressive maximum of up to 5 extension libraries and 18 drives. The master library integrates with other system components to complete the overall *NET*Archive solution including the Archive Management Software (AMS) and Storage Management System (SMS) with RAID. The rack mounted system components are designed to minimize robotics and moving parts increasing long-term reliability and conserving IT floor space.

Designed to handle very large archives up to 2.5 PB nearline storage with virtually limitless offline media management, the *NET*Archive Enterprise libraries and drives deliver groundbreaking performance. Libraries are equipped with fully automated robotics with 6-axis motion and a scalable media track. The advanced optical drive design features a multi-platter loading mechanism and up to 4 optical heads with 8 lasers and data channels for faster reads and writes. Drives connect with the SMS via high-speed fibre channel communications, offering the highest level of performance and reliability. Drives support up to 4.81 TB media cartridges that prevent human contact with actual media.



Storage Management System

NA-S30 Master Unit (Drives & Cartridges)

NA-S60 Extension (Drives & Cartridges)

NA-S100 Extension (Cartridges Only)

Enterprise Library Features

NETArchive

S-Series Datasheet

- High capacity & performance from 15TB to 2.5PB of nearline data in a single rack
- Flexible, scalable configurations adapt to any sized business or organization
 - NA-S30 Master Unit (required) provide foundation
 - NA-S60 & NA-S100 Optional Extension Libraries (up to five possible)
 - 11 Standard configurations available
 - · Balance drive performance against storage capacity
 - Up to 18 ODA drives per system
 - Custom configurations available
- Space efficient modular rack mount components (366TB per square foot) - A/V Rack
- · Highly reliable robotics with 6-axis motion
- Scalable robotics traverse the entire system through all libraries minimizing moving components and increasing reliability
- · Optional redundant power supplies for high availability
- · 8Gbps Fibre Channel connectivity to drives
- 4.81 TB, 3.0 TB and 1.5 TB Write Once Media Cartridges protecting media from exposure
- SMS, AMS and Library components are fully integrated and automated for easy setup and operations.
- Advanced optical drive design with 4 optical heads and 8 lasers and data channels
 - High speed 10K+RPM ensures fastest optical transfer speeds
 - Drives feature multi-platter loading mechanism

NETArchive Enterprise Libraries & Drives Deliver Groundbreaking Performance

Enterprise Libraries

S Series Ent	terprise L	ibr	ary Sp	ecific	atio	ons
		N	IA-S30	NA-Se	60	NA-S100
Max Capacity in TB			144.3	293.4	4	485.8
Drives Min/Max			1/2	0/4		0
Total Cartridges			30	61		101
Library Size & Weight		-				
Weight (lbs / kgs) (not including drive units & cartridges)		66 lbs 2.2 oz (30kgs)				
Dimensions W x H x D (excluding protrusions)		17.625 " x 12.25" x 37.125" (445 x 308 x 940 mm)				
Library Shipping						
Shipping Weight (lbs/kg)		94	94 (42.6kg) 79 (35.8			79 (35.8kg)
Shipping Dimensions LxWxH (inches/mm)		43" x 22" x 18.5" (1092.2 x 558.8 x 469.9 mm)				
Library Power		-				
Operating Voltage (auto rangin	ig)	100 to 240 VAC		(50-60Hz)		
Power (W)		312 300			N/A	
ODA Drive Specifications	ODA1		00	A2		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" 15.75" 146 x 84 x 398 r	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	1.5TB WORM		3.0TB WORM		4.81TB WORM	
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
System Environment						
Operating Temperature	50°F to 95° F (10°C to 35°C)					
Operating Humidity (non- condensing)	20% to 80% RH					
Heat Dissipation (18 drives & SMS Max BTU/ per hour)	4605 BTU/hr					
System Warranty						
System Warranty	1 Year Warranty					





NETArchive ODA1 Drive

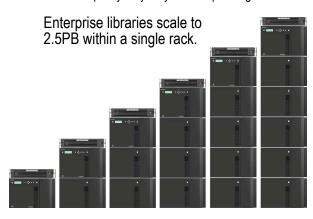


NETArchive ODA3 Drive

NETArchive Enterprise Configurations						
Configuration #	Drives (Min/Max)	Cartridges Slots (Max)	Capacity (Max)			
NA-S10	1/2	10	48 TB			
NA-S30	1/2	30	144 TB			
NA-S90	2/6	91	438 TB			
NA-S130	2/2	131	630 TB			
NA-S190	2/6	192	924 TB			
NA-S250	2/10	253	1.2 PB			
NA-S335	2/18	335	1.6 PB			
NA-S375	2/18	375	1.8 PB			
NA-S415	2/14	415	1.9 PB			
NA-S455	2/10	455	2.1 PB			
NA-S495	2/6	495	2.3 PB			
NA-S535	2/2	535	2.5 PB			

Notes:

- ODA drives ship with Fibre Channel cable (3mm) ٠
- Ethernet cables supplied with SMS ٠
- NA-S30 & NA-S60 libraries ship with power cord (10') •
- Redundant power supplies ship with power cord (10')
 Utilizes NA5500WOBARX1, NA3300WOBARX1 & NA1500WOBARX1 media cartridges
- Reference AMS and SMS datasheets for further details ٠
- · Usable media capacity may vary due to operating environment



Alliance Storage Technologies, Inc. 4960 Centennial Blvd, Colorado Springs, CO 80919 T: 719-593-7900 F: 719-593-4164 Global Service & Support: 719.593.4455 www.alliancestoragetechnologies.com

