

The scalable architecture of the *NETArchive*® 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 *NETArchive* 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 802.5 TB, the *NETArchive* 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 dual optical heads and 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 1.5TB 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

- High capacity & performance from 45TB to 802.5TB 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
 - 18 NA-D77F drives maximum per system
 - Custom configurations available
- Space efficient modular rack mount components (134TB 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
- 1.5 TB Write Once Media Cartridges protecting media from exposure
- Operates in conjunction with other system components including SMS and AMS
- Advanced optical drive design with dual optical heads and multiple 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 Enterprise Library Specifications

	NA-S30	NA-S60	NA-S100
Max Capacity in TB	45TB	91.5	151.5
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 lb 2.2oz (30Kg)		
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 (42.6kg)	79 (35.8kg)	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 ranging)	100 to 240 VAC (50-60Hz)		
Power (W)	312	300	N/A
NA-D77F Drive Specifications			
Drive Size & Weight			
Weight (lbs / kgs)	8 lb 13 oz (4kg)		
Dimensions W x L X D (inches/mm) (excluding protrusion)	5.75" x 3.625" x 15.75" 146 x 84 x 398 mm		
Drive Shipping			
Shipping Weight (lbs/kg)	12 (5.44kg)		
Shipping Dimensions LxWxH (inches/mm)	21.5 x 11 x 9 (546.1 x 279.4 x 228.6 mm)		
Drive Power			
Operating Voltage	12VDC (AC Adaptor supplied)		
Power (W)	20 (average)		
Drive Data Transfer Speeds (Write Once 1.5TB Media)			
Write with verify	46 MB/s		
Write without verify	91 MB/s		
Read	141 MB/s		
SMS Connectivity to Drives			
Fibre Channel	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 system Next Business Day		



NA-D77F Drive

NETArchive Enterprise Configurations

Configuration #	Drives (Min/Max)	Cartridges Slots (Max)	Capacity (Max)
NA-S30	1/2	30	45 TB
NA-S90	2/6	91	91.5 TB
NA-S130	2/2	131	196.5 TB
NA-S190	2/6	192	288 TB
NA-S250	2/10	253	379 TB
NA-S335	2/18	335	502.5 TB
NA-S375	2/18	375	562 TB
NA-S415	2/14	415	622 TB
NA-S455	2/10	455	682 TB
NA-S495	2/6	495	742 TB
NA-S535	2/2	535	802.5 TB

Notes:

- NA-D77F drives ship with Fibre Channel cable (3mm)
- Ethernet cables supplied with SMS
- NA-S30 & NA-S60 libraries ship with power cord (10')
- Redundant power supplies ship with power cord (10')
- Utilizes NA1500WOX1 media cartridges
- Reference AMS and SMS datasheets for further details

Enterprise libraries scale to 802.5TB within a single rack.

