

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 2.5 PB nearline storage with virtually limitless offline media management, 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 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 4,81TB 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 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 Enterprise Library Specifications

|  | NA-S30   | NA-S60      | NA-S100     |
|--|--|-------------|-------------|
| Max Capacity in TB   | 144.3  | 293.4       | 485.8       |
| Drives Min/Max   | 1/2  | 0/4         | 0           |
| Total Cartridges   | 30   | 61          | 101         |
| <b>Library Size &amp; Weight</b>                               |  |             |             |
| Weight (lbs / kgs)<br>(not including drive units & cartridges) | 66 lbs 2.2 oz (30kgs)                              |             |             |
| Dimensions W x H x D<br>(excluding protrusions)                | 17.625" x 12.25" x 37.125"<br>(445 x 308 x 940 mm) |             |             |
| <b>Library Shipping</b>  |  |             |             |
| Shipping Weight (lbs/kg)                                       | 94 (42.6kg)  | 79 (35.8kg) | 79 (35.8kg) |
| Shipping Dimensions LxWxH (inches/mm)                          | 43" x 22" x 18.5"<br>(1092.2 x 558.8 x 469.9 mm)   |             |             |
| <b>Library Power</b>   |  |             |             |
| Operating Voltage (auto ranging)                               | 100 to 240 VAC (50-60Hz)                           |             |             |
| Power (W)  | 312  | 300         | N/A         |

| ODA Drive Specifications  | ODA1  | ODA2  | ODA3  |
|---|---|---|---|
| Drive Weight (lbs / kgs)  | 9 lbs 7 oz<br>(4.3kg)                             | 10 lbs 9 oz<br>(4.8kg)                            | 10 lbs 9 oz<br>(4.8kg)                            |
| Drive Dimensions W x L X D<br>(inches/mm)<br>(excluding protrusion) | 5.75" x 3.625" x<br>15.75"<br>146 x 84 x 398 mm   | 5.75" x 3.75" x 16.25"<br>146 x 95 x 413 mm       | 5.75" x 3.76" x 16.31"<br>146 x 95.5x 414.4 mm    |
| <b>Drive Shipping</b>   |   |   |   |
| Shipping Weight (lbs/kg)  | 12.625 lbs<br>(5.74kgs)                           | 13.13 lbs<br>(6.24kgs)                            | 13.13 lbs<br>(6.24kgs)                            |
| Shipping Dimensions LxWxH<br>(inches/mm)                            | 21.5" x 11" x 9"<br>(546.1 x 279.4 x<br>228.6 mm) | 21.5" x 11" x 9"<br>(546.1 x 279.4 x<br>228.6 mm) | 21.5" x 11" x 9"<br>(546.1 x 279.4 x<br>228.6 mm) |
| <b>Drive Power</b>  |   |   |   |
| Operating Voltage (AC<br>Adaptor supplied)                          | 19.5 VDC  | 19.5 VDC  | 19.5 VDC  |
| Power (W)   | 20 (average)                                      |   |   |
| <b>Drive Media &amp; Data Transfer Speeds</b>                       |   |   |   |
| Media Capacity & Type   | 1.5 TB WORM                                       | 3.0 TB WORM                                       | 4.81 TB 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  |
| <b>System Environment</b>   |   |   |   |
| Operating Temperature   | 50°F to 95° F (10°C to 35°C)                      |   |   |
| Operating Humidity (non-<br>condensing)                             | 20% to 80% RH                                     |   |   |
| Heat Dissipation<br>(18 drives & SMS Max BTU/<br>per hour)          | 4605 BTU/hr                                       |   |   |
| <b>System Warranty</b>  |   |   |   |
| System Warranty   | 1 Year Warranty                                   |   |   |



NETArchive ODA1 Drive



NETArchive ODA2 Drive



NETArchive ODA3 Drive

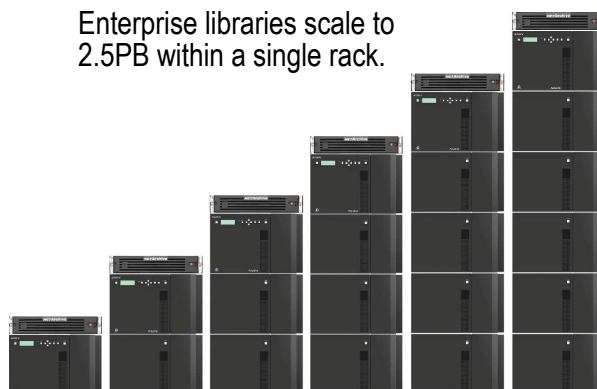
## NETArchive Enterprise Configurations

| Configuration # | Drives<br>(Min/Max) | Cartridges<br>Slots (Max) | Capacity<br>(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)
- Ethernet cables supplied with SMS
- 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
- Usable media capacity may vary due to operating environment

Enterprise libraries scale to 2.5PB within a single rack.



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