

Media Cartridge

NETArchive Datasheet

True Write-Once-Read-Many (WORM) optical technology has been the media of choice for professional data archiving for many decades with a very long and successful history across many industries. Optical media eliminates the pain points commonly associated with disk and tape media including frequent migrations, special environmental conditions, susceptibility to damage via normal use, natural disasters, and high power consumption.

The *NETArchive*® solution continues the legacy with a professional archive media that is extremely robust and offers an archival life estimate of greater than 50 years, making it the premiere choice for storing valuable data assets.

The *NETArchive* high-capacity 1.5TB media cartridge contains 12 optical discs that act as one volume of mass storage enabling files to span multiple individual discs. The sealed cartridge eliminates the requirement for managing individual discs preventing accidental data or disc loss due to human intervention. All archived data remains randomly accessible with high-speed retrieval.

Individual optical discs feature a protective transparent hard coating that assures stable read/write performance, offers scratch protection, shields against electrostatic discharge, and significantly reduces interference and disturbance.

Designed for durability and resilience in a wide range of environmental conditions, the heat-resistant polycarbonate cartridges feature a metal reinforcement bridge that provides mechanical strength and protects discs from internal and external load pressure, shock, and vibration. Each cartridge has a unique barcode for tracking purposes and is equipped with a built-in preformatted RFID chip utilized by the *NETArchive* system.

The *NETArchive* media truly offers the lowest total cost of ownership with a high-capacity, compact design that lends itself to on or offsite storage without requiring special environmental conditions.



Features

- Compliant Write-Once-Read-Many (WORM) preserves data unaltered for > 50 years
- High-capacity, low-cost
- Unquestioned record authenticity
- Withstands chain of evidence scrutiny in court proceedings
- Cartridge prevents human contact and secures media
- Small profile lends itself to offsite storage
- Improved media reliability with special protective hard coating
- Does not require special environmental conditions while stored
- Reinforced cartridge design protects disks
- Preformatted with unique barcode & RFID chip utilized by *NETArchive* system
- Drive monitors media for issues and alerts for degrading media
- UDF multi-volume format

Part Number NA1500WOX1

Nominal Capacity	1.5 TB
Access Type	Write Once
Number of Discs	12
Capacity of Individual Disc	128GB
Number of Layers	4
Track Pitch	.32µm
Data Bit Length	.0874µm
Read Stability	>1,000,000 cycles
Recording Layer	Phase Change
Blue Violet Laser Wavelength	0.405mm
Objective Lens Numerical Aperture	.085
Read / Write Operation	100% verify after write
Media Life	50+ years
Cartridge Size	5.11" L x 5.19" W x 1.05" H
Cartridge Weight (includes discs)	11.3 ounces
Cartridge Material	Reinforced Polycarbonate
Certifications	OSTA UDF 2.5. & 2.6 ECMA 167
Operating Temperature	50°F to 95°F (10°C to 35°C)
Storage Temp & Humidity (short term transportation condition)	14°F to 131°F (-10°C to +55°C) 3% to 90% RH
Storage Temp & Humidity (long term recommended)	50°F to 86°F (10°C to +30°C) 30% to 70% RH