UDO-NAASA
Network Attached Archival Storage Appliance

UDO Based NAS System with more than 50 years of data-lifetime
Expandable Archival Solution with 30 GB or 60 GB removable UDO media
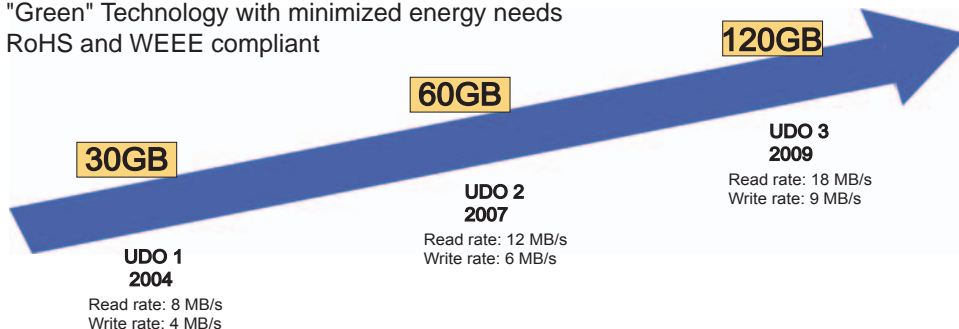

Product Description

With an operating life of more than 50 years, UDO-NAASA is a new class of cost-effective reliable archival storage. Easy to install and virtually maintenance-free, the UDO-NAASA allows you to choose the right data protection for your business and budget needs. It is based on Plasmon's UDO technology (Ultra Density Optical), the only true long-term archiving solution on the market today. UDO media are immune to temperature change, water, humidity and even powerful magnetic fields that would destroy purely magnetic products.

Configuration:

A UDO drive with a direct network interface to connect to most operation systems. Storage of data on removable UDO media.

Benefits of the NAASA System

- Hardware based "True" UDO WORM (Write-Once-Read-Many) archive media
- Integrates as Networkdrive into Windows, Linux, UNIX and Apple environments
- Installs in minutes
- virtually maintenance-free
- "Green" Technology with minimized energy needs
- RoHS and WEEE compliant

Performance

Media loading time	5 sec
Media unloading time	3 sec
Average seek time	25 ms
Maximum read rate	8 MB/s
Maximum write rate	4 MB/s (write/verify)
Disc rotation speed	2160 rpm +/-0.5%
Drive buffer size	32 MB

Drive operations

Error correction	Reed-Solomon code
Objective lens	0.7 NA
Laser wavelength	405 nm

30GB — UDO 1 2004 — Read rate: 8 MB/s — Write rate: 4 MB/s

60GB — UDO 2 2007 — Read rate: 12 MB/s — Write rate: 6 MB/s

120GB — UDO 3 2009 — Read rate: 18 MB/s — Write rate: 9 MB/s

Operation environment

Operating temperature	5°C to 45°C
Operating humidity	5% to 90% R.H
Drive orientation	Horizontal and vertical
Network File Protocol	Microsoft Networks (CIFS/SMB)
Network Client Types	Windows (98, Me, NT 4.0, 2000, XP, 2003 Server, Vista), Linux, UNIX, Apple (OS 10.x)

Reliability

MSBF	750,000
MTBF	100,000 hrs

Dimensions and weight

Dimensions	H95 x W455 x D510 mm
Weight	8.4 Kg

Benefits of the UDO Media

more than 50 years media / data lifetime	Reduces data migration frequency and media maintenance
30 GB and 60 GB Storage Capacity per Disk	Cost-effective and flexible archival storage capacity
True Write Once Data Recording	Provides unmatched data authenticity for compliance
Robust Media Cartridge	Protects data and provides maintenance-free, off-line archiving
UDO Library Compatibility	Allows for low-cost, non-disruptive expansion
UDO Rewritable version available	20 000 rewritable cycle count