

# UDO DESKTOP DRIVE

*Plasmon's UDO Desktop Drive provides compliant, high capacity archival storage for departmental and small office environments*



The UDO Desktop Drive offers the world's most secure archival storage technology at an affordable price. Legal and accounting firms, engineering and design offices, publishing houses, healthcare facilities and many other businesses and organisations benefit from the capacity, performance and reliability of UDO Desktop Drives for the long-term storage of their valuable information.

With 30GB capacity, a single UDO cartridge can archive millions of text pages, more than 600,000 average size email messages with attachments or in excess of 30,000 high-resolution photographs. UDO media has been designed specifically for the secure, archival storage of high volume emails and document images, customer records, audio or video files, financial information and design documentation.

Multifunction UDO drives support both WORM and Rewritable UDO media formats. UDO Rewritable media is used for general archives that require the flexibility to erase and reuse media space for data not subject to strict regulatory controls. UDO True Write Once media provides unmatched media life and unquestioned authenticity to meet industry regulations governing long-term record

archives. UDO Compliant Write Once media offers the same attributes as True Write Once media, but enables the physical destruction of individual records to comply with corporate risk management policies controlling record disposition at end-of-life.

Unlike magnetic storage media, UDO tolerates a wide range of environmental conditions and can be safely stored for decades in a typical office environment. A highly stable Phase Change recording technology delivers media life in excess of 50 years, minimising the frequency of data migration and virtually eliminating media maintenance.

Engineered for demanding professional environments, the UDO Desktop Drive has been certified with very high duty cycles that ensure reliable, long-term operation. The fast seek times and high read/write speeds have also been optimised for the unique performance requirements of a data archive.

## UDO DRIVER

The UDO Desktop Drive package includes UDO Driver software that supports read and write operations to 30GB UDO media on Windows and Linux operating systems.

In Windows environments, the UDO Desktop Drive appears as a removable storage device, accessed via a normal drive letter. Management of the drive and media is performed through a standard Windows Explorer interface. Linux users benefit from the same transparent access, with a Command Line interface for administrative functions.

When writing to UDO media there is a choice of two file system formats. UDF (1.02 / 1.5) is an industry standard that enables the exchange of media and ensures future read compatibility. Where high-performance is critical or migration to libraries is planned, organisations can alternatively choose Plasmon's optimised Archive File System.

## LIBRARY UPGRADE

As archive needs evolve, Plasmon G-Series optical libraries 'Powered by UDO' provide a non-disruptive upgrade path to automate media management and improve archive access. The range of G-Series libraries accommodate virtually any archive requirement, with capacities from 720GB to over 19TB.



FEATURES	BENEFITS
30GB Media Capacity	Cost-effective and flexible archival storage capacity
True Write Once Data Recording	Provides unmatched data authenticity for compliance with regulations and corporate policies
Robust Media Cartridge	Protects data and provides maintenance-free, off-line storage
50 Year Media Life	Reduces data migration frequency and media maintenance
Professional Drive Design	Offers sustained 24x7 operation with minimal maintenance
Attractive and Compact Enclosure	Easily fits into office environments and complements other office equipment
Windows and Linux Support	Painless integration and management within common IT infrastructures
ISO and Ecma Certified Media Standard	Ensures long-term compatibility and continuity
UDO Library Compatibility	Allows for non-disruptive expansion to improve data management and access

## TECHNICAL SPECIFICATIONS - UDO DESKTOP DRIVE

Model	UDO30D - Desktop Drive	UDO30I - Internal Drive
<b>Performance</b>		
Average Seek (1/3 full stroke)	35ms	35ms
Load Time	5 sec typical	5 sec typical
Unload Time	3 sec typical	3 sec typical
Drive Buffer	32MB	32MB
<b>Data Transfer Rates</b>		
Max. Sustained Read Transfer Rate	8MB/s	8MB/s
Max. Sustained Write Transfer Rate	4MB/s (including verify)	4MB/s (including verify)
Max. SCSI Transfer Rate	40MB/s	40MB/s
<b>Reliability</b>		
MTBF (Power On Hours)	100,000	100,000
MSBF (Mean Swap Between Failure)	750,000 load/unload cycles	750,000 load/unload cycles
<b>Drive Operation</b>		
Error Correction	Reed-Solomon	Reed-Solomon
Objective Lens Numerical Aperture	0.7 NA	0.7 NA
Laser Wavelength	405 nm	405 nm
<b>Environmental</b>		
Operating Temperature	+10 to +35° C	+10 to +45° C
Non-Operating Temperature	-40 to +60° C	-40 to +60° C
Operating Humidity	5 to 90% RH (non condensing)	5 to 90% RH (non condensing)
Non-Operating Humidity	5 to 95% RH (non condensing)	5 to 95% RH (non condensing)
Operating Vibration (5-350Hz)	0.0002 g <sup>2</sup> /Hz	0.0002 g <sup>2</sup> /Hz
Non-Operating Vibration (5-100Hz)	0.02 g <sup>2</sup> /Hz	0.02 g <sup>2</sup> /Hz
<b>Electrical</b>		
Operating Voltage	90 to 264VAC; 12.5V DC o/p 3.2A dc, 40W total	+5V ± 5%; +12V ± 5%
Power Requirements	AC 100-240V, 50-60Hz, 1.2A DC 12V, 4.2A, 50W	+12V @ 2.8A (max); 0.6A (typical) +5V @ 2.5A (max); 1.9A (typical)
<b>Structure</b>		
Dimensions (WxHxD in mm)	185 x 65 x 283	146 x 41 x 203
Weight	2.9 Kg	1.5 Kg
SCSI Connection	68 pin micro-D x 2	keyed 68 pin micro-D
Interface	Wide Ultra 2 LVD SCSI	Wide Ultra 2 LVD SCSI
Warranty	One year parts and labour return to base	One year parts and labour return to base
Certifications	Approvals designed to meet Safety UL 60950-1, CSA C22.2 60950-1-03, IEC 60905-1. Emissions CISPR 22 Class B (1985), EN55022 Class B (1988), FCC 47 CFR Part 15 Class B	

### UDO Driver Operating System Support and PC Requirements

Windows XP and 2003

Linux - Fedora 2.4 or 2.6

PC Requirements

SCSI Controller (e.g. Adaptec 29160)

10MB of hard disk space for software installation

PC configuration as recommended by the operating system provider

### UDO Desktop Drive Package

UDO Drive in desktop enclosure

UDO Driver software on CD

External power supply and mains cable

68 Pin LVD SCSI cable and terminator

1 piece of UDO Rewritable media

1 UDO drive cleaning cartridge

Quick Start Guide



Rear View - UDO Desktop Drive



UDO Internal Drive

Plasmon is ISO 9001 certified



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