

UDO Desktop Drive

Professional Archive on the Desktop

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

UDO2

**Now Available
with USB 2.0 or SCSI
Interface**

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 60GB capacity, a single UDO cartridge can archive millions of text pages, more than 1,200,000 average size email messages with attachments or in excess of 60,000 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 are available with a USB or SCSI interface and 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 data life and unquestioned record 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 Drive software for Windows and Linux operating systems. The driver software supports read and write operations to 60GB UDO2 media and backward read compatibility with previous generation 30GB UDO1 media.

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 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 demands grow, Plasmon's UDO Archive Appliance and G-Series libraries provide an upgrade path to improve archive access and automate media management. With capacities from 1TB to 76TB in a single configuration, UDO solutions can accommodate virtually any archive requirement.

Features	Benefits
60GB Media Capacity	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 storage
50 Year Media Life	Reduces data migration frequency and media maintenance
USB or SCSI Interface	Versatile connectivity options
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
UDO Library Compatibility	Allows for non-disruptive expansion to improve data management and access

Technical Specifications - UDO Desktop Drive

Model	UDO60D - Desktop Drive	UDO60I - Internal Drive
Performance		
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
Data Transfer Rates		
Max. Sustained Read Transfer Rate	12MB/s	12MB/s
Max. Sustained Write Transfer Rate	6MB/s (including verify)	6MB/s (including verify)
Max. SCSI Transfer Rate	80MB/s	80MB/s
Max. USB 2.0 Transfer Rate	20MB/s	20MB/s
Reliability		
MTBF (Power On Hours)	100,000	100,000
MSBF (Mean Swap Between Failure)	750,000 load/unload cycles	750,000 load/unload cycles
Drive Operation		
Error Correction	Reed-Solomon	Reed-Solomon
Objective Lens Numerical Aperture	0.85 NA	0.85 NA
Laser Wavelength	405 nm	405 nm
Environmental		
Operating Temperature	+10 to +35° C	+5 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 ² /Hz	0.0002 g ² /Hz
Non-Operating Vibration (5-100Hz)	0.02 g ² /Hz	0.02 g ² /Hz
Electrical		
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)
Structure		
Dimensions (WxHxD in mm)	185 x 65 x 283	146 x 41 x 203
Weight	2.9 Kg	1.5 Kg
Interface Type	Wide Ultra 2 LVD SCSI or USB 2.0	Wide Ultra 2 LVD SCSI or USB 2.0
Interface Connection	68 pin SCSI micro-D x 2 or USB 2.0 Type B	Keyed 68 pin micro-D or USB 2.0 mini-B
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	
RoHS	Complies with RoHS EU Directive 2002/ 95/EC	

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) or USB 2.0 port

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 or USB Cable

1 piece of UDO Rewritable media

1 UDO drive cleaning cartridge

Quick Start Guide



Rear View - UDO Desktop Drive (SCSI interface)



Rear View - UDO Desktop Drive (USB interface)

Plasmon is ISO 9001 Certified



UDO Internal Drive



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