

SONY

RETAIL

# Multifunction Optical Drive

5.25-inch Optical Drive  
9.1 GB Capacity



Internal  
SMO-F561/S



External  
RMO-S561/S

# Multifunction Optical Drive – a perfect choice for data archiving

RETAIL

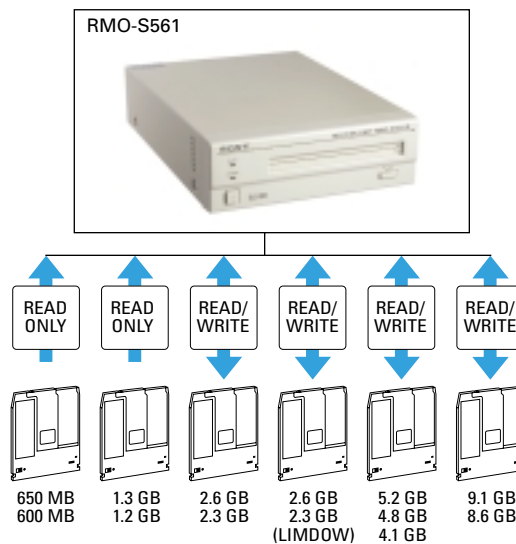
## FEATURES AND BENEFITS

- 9.1 GB storage capacity in a 5.25-inch removable disk format – store more information in less space
- Backward compatible with all previous generations of 5.25-inch ISO media – protect investment in legacy media
- Fast rotational speed enables high data transfer rate of over 6 MB/s max. – enhance through-put
- Average seek time of less than 25 ms provides near hard disk performance – super-fast access to data
- Large 8 MB buffer memory and Sony S-Cache™ – maximum performance
- More than 10 million rewrite cycles and over 50 years projected shelf life – maximum media reliability and longevity
- Third party software support for most major operating systems – more versatility

## SPECIFICATIONS

CAPACITY PER DISK	9.1 GB (4096 bytes/sector) 8.6 GB (2048 bytes/sector)
HOST INTERFACE	SCSI-2: ANSI x 3.131-1994
DISK FORMAT	5.25-inch (130mm) Double-sided MO disk with cartridge
AVERAGE SEEK TIME	25 ms (typical)
AVERAGE LATENCY	10.0 ms / 9.1 ms / 8.3 ms
ROTATIONAL SPEED	3000 rpm / 3300 rpm / 3600 rpm
BUFFER MEMORY	8 MB (Write/Read cache)
SUSTAINED TRANSFER RATE	3.07 to 6.14 MB/s max. (9.1 GB media) 2.87 to 5.84 MB/s max. (8.6 GB media)
SCSI BURST TRANSFER RATE	20 MB/s (ULTRA: sync.) 3 MB/s (async.)
BIT ERROR RATE	Less than 10 <sup>-12</sup>
LOAD / EJECT TIME	Load: 5.5 seconds Eject: 3.5 seconds
RELIABILITY	MTBF 300,000 Power on hours MSBF More than 750,000 Cycles MTTR 30 minutes
DIMENSIONS	Internal 5.75 W x 1.6 H x 7.99 D inches (146 x 40.6 x 203 mm) External 8.73 W x 2.87 H x 11.62 D inches (211 x 70 x 293 mm)
WEIGHT	Internal 3 lb 1.6 oz (1.4 kg) External 10 lb 14.4 oz (4.9 kg)
MOUNTING	Horizontal or Vertical Tilt <math>\pm 10^\circ</math>
POWER REQUIREMENTS	Internal DC +5 V, DC +12 V External AC 100 – 240 V
CURRENT CONSUMPTION	Internal DC +5 V: 0.8 A (typical), 2.0 A (max) DC +12 V: 0.9 A (typical), 3.0 A (max) External 0.6 – 0.35 A (AC 100 – 240 V)
POWER CONSUMPTION	Internal 14.8 W (typical) External 40.0 W (typical)
ENVIRONMENTAL	Temperature Operating: +5°C to +45°C Non-operating: -30° to +60°C Relative Humidity Operating: 10% to 90% (non-condensing) Non-operating: 5% to 90% (non-condensing) Acoustic Noise 45 dB (A) maximum
REGULATORY COMPLIANCE	UL 1950 3rd. Edition, USA CUL CSA C22.2 No. 950, Canada DHHS Laser Compliance 21 CFR Subchapter J, USA TÜV EN 60 950 / EN 60 825, Europe EN55022 Class B IEC801-2, IEC801-3

## MEDIA READ/WRITE CAPABILITY



## MEDIA COMPATIBILITY

### MO REWRITABLE DISKS

EDM-9100B	9.1 GB/disk, 4096 bytes/sector
EDM-8600B	8.6 GB/disk, 2048 bytes/sector
ED1-9100B	9.1 GB/disk, 1024 bytes/sector
ED5-9100B	9.1 GB/disk, 512 bytes/sector

### MO CCW WRITE ONCE DISKS

CWO-9100B	9.1 GB/disk, 4096 bytes/sector
CWO-8600B	8.6 GB/disk, 2048 bytes/sector

MOA-D51 Manual Disk Cleaning Kit

## DRIVE CHARACTERISTICS

MODEL	CONFIGURATION
SMO-F561/S	9.1 GB, Internal multifunction optical drive, 8 MB buffer memory with S-Cache. Bundled with Sony data media cartridge and Windows®/Mac OS® software driver.
RMO-S561/S	9.1 GB, External Sony branded multifunction optical drive, 8 MB buffer memory with S-Cache. Bundled with Sony data media cartridge and Windows®/Mac OS® software driver.

©2001 Sony Electronics Inc.  
Reproduction in whole or in part is prohibited without written permission. All rights reserved.  
Sony, Storage by Sony, and S-Cache are trademarks of Sony.  
Windows and Mac OS are trademarks of Microsoft Corporation.  
All other trademarks are property of their respective owners.  
Specifications subject to change without notice.  
Printed USA 03/01  
SMO-F561-VAPD-DS-03/01

AWB001797

Sony Electronics Inc.  
Computer Components & Peripheral Division  
3300 Zanker Road  
San Jose, California 95134  
1-800-352-SONY (352-7669)  
<http://www.sony.com/storagebysony>

**Storage** by Sony