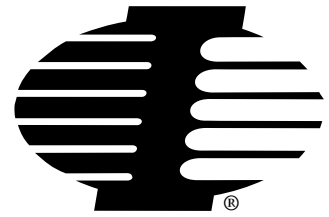


Model SMO-F541



5.25-Inch 2.6 GB Optical Disk Drive



DESCRIPTION

Sony's 5.25-inch optical drive, the SMO-F541 Series, sets a new standard for magneto optical drives. Continuing Sony's tradition of ANSI-and ISO-standard drives that are compatible with 1.3 GB and 650 MB media, this 2.6 GB drive offers double the capacity at near hard drive speed, making it an ideal storage solution for today's performance-intensive applications.

PRODUCT FEATURES

High Performance

The SMO-F541 boasts the highest spindle speed in the industry-3,600 rpm. This high spindle speed results in an exceptionally high sustained transfer rate of 4MB/sec with 2.6 GB media, independent of any benefits from caching. The spindle speed also maintains a low average latency time, thus providing faster access to your mission-critical data.

Accelerated by S-Cache

Sony's proprietary buffering/caching algorithm, featured in the SMO-F531 optical drive, set a benchmark for burst rate that is unrivaled in the industry. The SMO-F541 S-Cache utilizes the same smart algorithms to maintain a high burst rate of 5 MB/sec. This rate combined with the fast sustained data transfer rate results in exceptionally fast and efficient data retrieval.

Improved Functionality

While the SMO-F541 is a standard 5.25-inch half-height drive, its unique motorized media eject mechanism has fewer moving parts than the industry-standard spring mechanism. The resulting increase in reliability and ease of use combined with the drive's light weight and minimal power consumption enable it to operate flawlessly for an estimated 100,000 Power On Hours (POH) in any desktop or network environment.

Easy Integration

Sony makes it easy to upgrade to the high capacity SMO-F541, which can integrate into any computing environment regardless of the operating system. The drive has a standard SCSI-2 connector, and driver software can be written or purchased from over twenty qualified vendors.

Excellent Reliability

The SMO-F541 optical drive continues a Sony tradition established in the SMO-F531 optical drive of increasing MTBF and MSBF. With an MTBF of 100,000 POH and an MSBF of 500,000, the SMO-F541 is an excellent storage solution for any computing environment-whether stand-alone desktop, workstation, or high-end network.

SPECIFICATIONS

Host Interface

ANSI X3.131-1994 SCSI-1, ANSI Draft Rev.10h SCSI-2

Disk

130 mm (5.25-inch) magneto optical disk

Disk Format

Continuous composite

Media Type

Rewritable and Write Once

Bytes Per Sector & Formatted Capacity

512 bytes/sector, 2.3 GB/disk 1024 bytes/sectors, 2.6 GB/disk

User Data Transfer Rate

1.0-2.0 MB/sec. sustained write, 2.0-4.0 MB/sec. sustained reads

Burst Transfer Rate

3.0 MB/sec. asynchronous mode, 5.0 MB/sec. synchronous mode

Disk Rotation

3,600 rpm (ZCAV)

Average Latency

8.3 ms

Seek Time (Average)

25 ms

Buffer Memory Capacity

1 MB - SMO-F541

MTBF

100,000 Power On Hours (POH)

Load/Unload Cycles

500,000

Operating Mount

Horizontal or Vertical

Power Requirements

DC Voltage: +5V and +12V, DC Current: 1.0A (+5V), 0.6A (+12V)

Operating Environment

Temperature: 5°C to 45°C
Humidity: 10% to 90%
Shock: 30G (3 ms half sine)

Warranty

12-Month Limited Warranty

SONY MEDIA USED

Rewritable 5.25-inch Media

EDM-2600B:	2.6 GB capacity, 1024 bytes/sector, rewritable disk
EDM-2300B:	2.3 GB capacity, 512 bytes/sector, rewritable disk
EDM-1300B:	1.3 GB capacity, 1024 bytes/sector, rewritable disk
EDM-1200B:	1.2 GB capacity, 512 bytes/sector, rewritable disk
EDM-650B:	650 MB capacity, 1024 bytes/sector, rewritable disk
EDM-600B:	600 MB capacity, 512 bytes/sector, rewritable disk

ORDERING GUIDE

Model SMO-F541

5.25-inch 2.6 GB internal half-height disk drive with a 1 MB buffer and S-Cache.
Includes plastic jumper clips.

Model EDM2600B

Model EDM2300B

Model EDM1300B

Model EDM1200B



INDUSTRIAL COMPUTER SOURCE®

9950 Barnes Canyon Rd. San Diego, CA 92121

1-800-523-2320