

# SONY®



## 5.2 GB

# SMO-F551

5.25-inch Magneto Optical Disk Drive  
(5.2 GBytes Disk Capacity)



**Storage** by Sony

# SMO-F551

5.25-inch Magneto Optical Disk Drive  
(5.2 GBytes Disk Capacity)

Gigabyte Communication

Being the leader in 5.25-inch MO technology for more than ten years, Sony proudly introduces the latest MO drive with high performance and reliability more than ever.

5.2 GBytes disk capacity and 5 MBytes/s transfer rate are the key words of the new MO drive, SMO-F551. Higher capacity and faster transfer rate strike the needs of data backup, archival and storage.

## Features

### 5.2 GBytes Disk Capacity

5.2 GBytes capacity has been achieved with leading edge technologies such as narrower track pitch and increased linear recording density which result from Mark Edge recording, PRML technology and 685nm lasers. MO systems are the perfect solution for professionals in fields such as DTP, medical Industry, AV editing, and telecommunications.

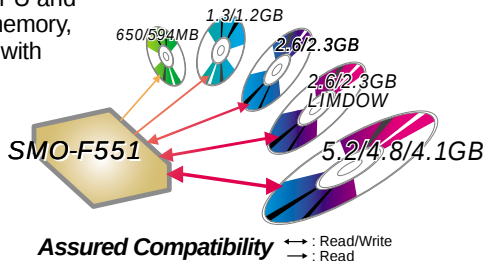
### High Reliability

Sony MO drives offer an MTBF of 300,000 POH, and the disks offer 50 years of archival life with 10 million record/playback cycles.

\*Estimation based on in-house test results.

### High Performance

The SMO-F551's fast rotational speed enables a sustained transfer rate of up to 5 MBytes/sec. It features a high-performance RISC CPU and 4 MBytes of cache memory, which are enhanced with Sony's proprietary "S-Cache" data algorithm.



## OPTIONAL ACCESSORIES

### MO Rewritable Disks

|                                             |                                           |
|---------------------------------------------|-------------------------------------------|
| EDM-5200B<br>5.2 GBytes, 2,048 Bytes/sector | EDM-4100B<br>4.1 GBytes, 512 Bytes/sector |
| EDM-4800B<br>4.8 GBytes, 1,024 Bytes/sector |                                           |

### MO CCW Write Once Disk

|                                             |                                           |
|---------------------------------------------|-------------------------------------------|
| CWO-5200B<br>5.2 GBytes, 2,048 Bytes/sector | CWO-4100B<br>4.1 GBytes, 512 Bytes/sector |
| CWO-4800B<br>4.8 GBytes, 1,024 Bytes/sector |                                           |

### Manual Disk Cleaning Kit

MOA-D51

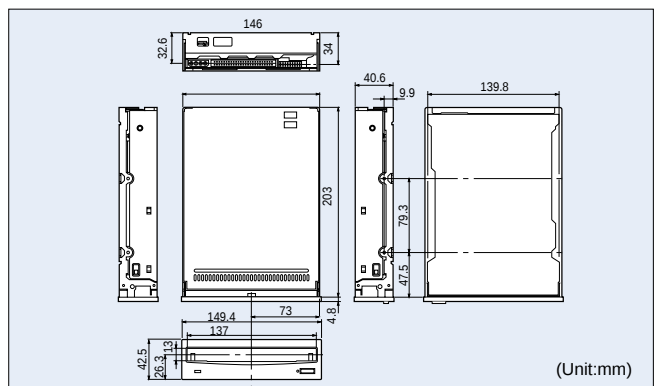
\*MOA-L55/2 lens cleaning cartridge should not be used.

Sony and S-Cache are trademarks of Sony Corporation.  
Features and specifications are subject to change without notice.

## Specifications

|                         |                                                                         |                      |                      |
|-------------------------|-------------------------------------------------------------------------|----------------------|----------------------|
| Host Interface          | SCSI-2: ANSI x 3.131-1994                                               |                      |                      |
| Disk                    | 130 mm (5.25 inch) MO disk                                              |                      |                      |
| Disk Format             | Continuous/Composites (ISO/IEC 15286)                                   |                      |                      |
| Disk Capacity           | 5.2 GBytes                                                              | 4.8 GBytes           | 4.1 GBytes           |
| Sector Size             | 2,048 Bytes                                                             | 1,024 Bytes          | 512 Bytes            |
| Data Transfer Rate      | 5.07 - 2.48 MBytes/s                                                    | 4.79 - 2.31 MBytes/s | 4.06 - 1.97 MBytes/s |
| Bit Error Rate          | 10 <sup>-12</sup>                                                       |                      |                      |
| Average Latency         | 8.3 ms/9.1 ms                                                           |                      |                      |
| Rotational Speed        | 3,600 rpm/3,300 rpm                                                     |                      |                      |
| Average Seek Time       | 25 ms (typ.)                                                            |                      |                      |
| Load/Eject Time         | Load: 5.5 s, Eject: 3.5 s                                               |                      |                      |
| MTBF                    | 300,000 Power On Hour                                                   |                      |                      |
| MSBF                    | More than 750,000                                                       |                      |                      |
| Dimensions              | 40.6 (H) x 146.0 (W) x 203.0 (D) mm                                     |                      |                      |
| Mass                    | 1.5 kg                                                                  |                      |                      |
| SCSI Data Transfer Rate | 10 MBytes/s (sync.), 3 MBytes/s (async.)                                |                      |                      |
| Buffer Memory           | 4 MBytes (Write/Read Cache)                                             |                      |                      |
| Operating Mount         | Horizontal or Vertical                                                  |                      |                      |
| Power Requirements      | DC +5 V, DC +12 V                                                       |                      |                      |
| Power Consumption       | DC +5 V: 0.8 A (typ), 3.0 A (max)<br>DC +12 V: 0.9 A (typ), 2.0 A (max) |                      |                      |

## Dimensions



For further information, please contact

**Sony Corporation, Core Technology and Network Company,**

**Electronic Devices Marketing Group**

Osaki Gate City East Tower, 1-11-1 Osaki, Shinagawa-ku, Tokyo 141-0032 Japan  
TEL: +81 (0)3-5435-3489 FAX: +81 (0)3-5435-3568

**Sony Electronics Inc., Computer Components & Peripherals Division**

3300 Zanker Road, San Jose, CA 95134, USA  
TEL: +1 800-352-7669 FAX: +1 408-955-5167

**Sony of Canada Ltd., Computer Peripherals Product Marketing**

115 Gordon Baker Road, Toronto, Ontario M2H 3R6, Canada  
TEL: +1 416-499-1414 FAX: +1 416-499-8541

**Sony United Kingdom Limited, Computer Peripherals & Components Europe**

The Heights, Brooklands, Weybridge, Surrey KT13 0XW, The United Kingdom  
TEL: +44 (0)1932 816000 FAX: +44 (0)1932 817000

**Sony Corporation of Hong Kong Limited, Electronic Devices Marketing Hong Kong**

45/F, The Lee Gardens, 33 Hysan Avenue, Causeway Bay, Hong Kong  
TEL: +852 (0)2909-1008 FAX: +852 (0)2909-2001

**Sony International (Singapore)**

**Limited, Sony Electronics Devices (Singapore)**

10 Hoe Chiang Road, #23-00, Keppel Towers, Singapore 089315  
TEL: +65 (0)223-3188 FAX: +65 (0)329-1590

**Sony Australia Ltd, Computer Products Division**

33-39 Talavera Road, North Ryde, NSW 2113, Australia  
TEL: +61 (0)2-9-878-9712 FAX: +61 (0)2-9-805-1241

**Sony Comercio e Industria Ltda., Computer Peripheral Sales Division**

Rua Inocencio Tobias, 125 Barra Funda, Sao Paulo  
P.O.Box 4608, CEP 01144-000 Brazil  
TEL: +55 (0)11-3613-9137 FAX: +55 (0)11-3611-9064

**Sony Chile Ltda.**

Av. Kennedy 8017, Las Condes, Santiago, Chile  
TEL: +56-2-210-6000 FAX: +56-2-224-5417

**Sony Gulf FZE, Network Marketing Department**

P.O. Box 16871, Jebel Ali Free Trade Zone, Dubai, U.A.E  
TEL: +971 4-8815488/8816912 FAX: +971 4-8816259/8815408/8817806

URL: <http://www.world.sony.com/MO-Drive>

Sony Corporation  
Printed in Japan © SONY

Mar, 2001