

SONY®



5.2 GB

SMO-F551

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



Storage by Sony

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(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.

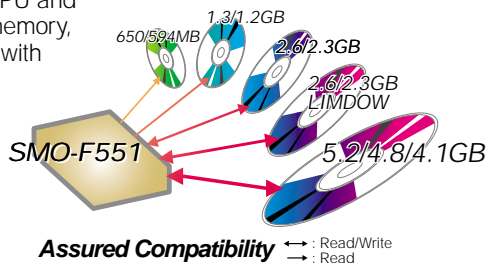
High Reliability

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 5.2 GBytes, 2,048 Bytes/sector
EDM-4100B 4.1 GBytes, 512 Bytes/sector

EDM-4800B 4.8 GBytes, 1,024 Bytes/sector

MO CCW Write Once Disk

CWO-5200B 5.2 GBytes, 2,048 Bytes/sector
CWO-4100B 4.1 GBytes, 512 Bytes/sector

CWO-4800B 4.8 GBytes, 1,024 Bytes/sector

Manual Disk Cleaning Kit

MOA-D51

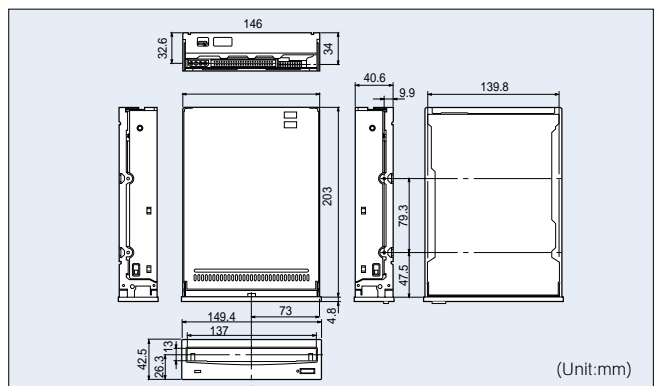
*MOA-L55/2 lens cleaning cartridge should not be used.

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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 ⁻¹² | | |
| 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) DC +12 V: 0.9 A (typ), 2.0 A (max) | | |

Dimensions



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

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