

## 5.25MO

**Huge Storage Capacity of 9.1GB, thanks to MSR Technology and Land & Groove Recording**



### Huge Maximum Storage Capacity of 9.1GB

With the adoption of MSR (Magnetically induced Super Resolution) technology and Land & Groove Recording, the 14X MO disk has a maximum storage capacity of 9.1GB – in other words, 14 times (14X) the 650MB capacity of the first-generation MO disk.

### High Reliable Suitable for a Variety of User Environments

The 14X MO disk offers consistently stable performance, thanks to the adoption of Sony's own Wide Margin Recording Film, which can accommodate fluctuations in the laser power of a variety of user environments, as well as a high-precision stamper and molding technology. It also offers at least one million erase/record cycles and a reading life estimated at more than 50 years, making it suitable for long-term data preservation.

### Superior Durability For Use in Auto-Changers

The use of Sony's own cartridge design and mechanical parts gives the 14X MO disk as many as 100,000 load/unload cycles per side. Also, Sony's original antistatic hard coat treatment cuts down on static electricity and protects the disk surface from scratches and

### Six Types Of 14X Disks For a Variety of Users

¥Sector Size 4092-byte EDM-9100B ¥2048-byte EDM-8600B  
 ¥1024-byte EM1-9100B ¥512-byte EM5-9100B for emulator mode  
 ¥Write-Once CWO-9100B and CWO-8600B

MODEL NAME	EDM-600C	EDM-650C	EDM-1200C CWO-1200C	EDM-1300C CWO-1300C	EDM-2300C CWO-2300C	EDM-2600C CWO-2600C	EDM-4100C CWO-4100C
<b>FORMAT</b>							
Physical Tracks	18,751		21,600		26,010	26,040	37,696
Logical Tracks	18,751		37,600		73,080	75,735	130,112
Sector Size (Bytes/Sector)	512	1,024	512	1,024	512	1,024	512
Track Pitch (µm)	1.6		1.39		1.15		0.85
Number of Bands	—		16		30	34	38
<b>MECHANICAL CHARACTERISTICS</b>							
Outer Diameter of Disk (mm)	130						
Cartridge Dimensions (WxDxH)(mm)	135x153x11						
Total Weight (g)	165						
<b>RECORDING CAPACITY</b>							
Unformatted (MB)	594	650	1,193	1,309	2,319	2,636	4,130
Number of Sides Used	Double sided						
<b>RELIABILITY (Acceleration Test Results)</b>							
Read Cycle	10 <sup>6</sup>						
Erase/Write/Read Cycle	10 <sup>7</sup>						
Load/Unload Cycle	10 <sup>6</sup>						
Archival Life (Years)	50						
Shelf Life (Years)	50						
<b>ENVIRONMENTAL REQUIREMENTS</b>							
Operation Conditions (°F(°C);%RH)	41-131 (5-55);3-85						
Storage Conditions (°F(°C);%RH)	14-131 (-10-55);3-90						
Absolute Humidity (g/m <sup>3</sup> )	1-30						

MODEL NAME	EDM-4800C CWO-4800C	EDM-5200C CWO-5200C	EDM-9100C CWO-9100C	EDM-8600C CWO-8600C	EM1-9100B	EM5-9100B
<b>FORMAT</b>						
Physical Tracks	37,485	38,136	49,728	49,560	49,728	
Logical Tracks	138,915	182,508	186,480	300,900	186,480	
Sector Size (Bytes/Sector)	1,024	2,048	4,096	2,048	1,024*	512
Track Pitch (µm)	0.85			0.65		
Number of Bands	45	24	16	30	16	
<b>MECHANICAL CHARACTERISTICS</b>						
Outer Diameter of Disk (mm)	130					
Cartridge Dimensions (WxDxH)(mm)	135x153x11					
Total Weight (g)	165					
<b>RECORDING CAPACITY</b>						
Unformatted (MB)	4,836	5,233	9,165	8,627	9,165	
Number of Sides Used	Double sided					
<b>RELIABILITY (Acceleration Test Results)</b>						
Read Cycle	10 <sup>6</sup>					10 <sup>7</sup>
Erase/Write/Read Cycle	10 <sup>7</sup>					10 <sup>6</sup>
Load/Unload Cycle	10 <sup>6</sup>					
Archival Life (Years)	50					
Shelf Life (Years)	50					
<b>ENVIRONMENTAL REQUIREMENTS</b>						
Operation Conditions (°F(°C);%RH)	41-131 (5-55);3-85					
Storage Conditions (°F(°C);%RH)	14-131 (-10-55);3-90					
Absolute Humidity (g/m <sup>3</sup> )	1-30					

\* Software emulation based on 4096 Byte/ Sector.

\*\* CWO disks are write-once disks.