

Standard ECMA-223

Data Interchange on 90 mm Optical Disk Cartridges - Capacity: 385 Megabytes per Cartridge

(June 1995)

This ECMA Standard specifies the characteristics of 90 mm Optical Disk Cartridges, (ODCs) with a capacity of 385 Mbytes per cartridge. The Standard specifies one type of such cartridge, viz.

Type R/W

Provides for data to be written, read and erased many times over the whole of the recording surface of the disk using the thermo-magnetic and magneto-optical effects.

This ECMA Standard specifies:

- the conditions for conformance testing and the Reference Drive;
- the environments in which the cartridges are to be operated and stored;
- the mechanical and physical characteristics of the cartridge, so as to provide mechanical interchangeability between data processing systems;

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- the format of the information on the disk, both embossed and user written; including the physical disposition of the tracks and sectors, the error correction codes and the modulation method used;
- the characteristics of the embossed information on the disk;
- the magneto-optical characteristics of the disk, enabling processing systems to write data onto the disk;
- the minimum quality of user-written data on the disk, enabling data processing systems to read data from the disk.

This ECMA Standard provides for media interchange between optical disk drives. Together with a Standard for volume and file structure, it provides for full data interchange between data processing systems.

The following files are provided in this set of CD-ROMs:

File name	Size (Bytes)	Content
ECMA-223.PDF	8'893'383	Acrobat PDF file
ECMA-223.PSC	8'701'252	Corresponding PostScript file

Printed copies of this Standard can be ordered, free of charge, from documents@ecma.ch.
