

PRESS-RELEASE

Toshiba announces world's first combination CD-RW drive with full DVD-ROM functionality

Neuss,
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Toshiba Europe GmbH, Storage Device Division is proud to announce that it has entered the CD-R/RW market. The SD-R1002 is no ordinary CD-RW drive, but the first CD-RW in the world that also offers full DVD-ROM functionality.

This new combination drive fully complies to all CD formats, including CD-R and CD-RW, as well as DVD-ROM standards. The SD-R1002 provides users with a maximum 4x write speed to CD-R and CD-RW discs, 4x max speed playback of DVD-ROM and 24x max speed playback of CD-ROM.

"Toshiba is taking the lead in what IDC believes, could be the ultimate multi-functional peripheral over the next several years," said Bob Peyton, Director, European Storage Research IDC.

The SD-R1002 offers exceptional versatility providing users with easy interchangeability of stored data on industry standard CD-R & RW discs. This allows users to freely exchange large amounts of data with low cost abundant storage. The 650 MB (or 700MB available on 80 minute CD-Rs) capacity available with CD-R or CD-RW removes the need for floppy drives, super floppies and other proprietary low capacity removable storage devices.



DVD-ROM enables users of the SD-R1002 to benefit from the functionality of established industry standards of DVD-ROM & DVD-Video. This offers the user enhanced applications and the assurance that today's technology is also tomorrow's technology.

"CD-RW and DVD are two of the fastest growing technologies in Europe today", said Tom Frawley, European Marketing Manager, Toshiba Storage Device Division. "This combination of an all-in-one integrated CD-RW, DVD-ROM drive, allows Toshiba to address both of these markets simultaneously, giving our customers a comprehensive multimedia storage and playback solution in a single unit".

To enable all of this to happen the SD-R1002 incorporates a new highly advanced, high performance pick-up head that allows it to read and write CD-R & RW as well as reading DVD-ROM and DVD-Video. The SD-R1002 has an ATAPI interface supporting a data transfer of 16.7 MB/s for optimal integration into desktop PCs.

Key Features

1. Pick-up head that incorporates two laser diodes:

?? 650 nanometer diode for reading DVD

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- ?? 780 nanometer diode for reading and writing CD-R and CD-RW.
2. 4x max writing to CD-R/RW discs.
 3. 4x speed DVD ROM and 24x max CD-ROM discs.
 4. ATAPI / EIDE Interface for easy installation and integration.



SD-R1002 Specifications

Type	Built-in type, 5.25 inch, half-height standard size Multifunctional CD-RW/DVD-ROM drive	
Supported Disc Formats	Write	CD-R, CD-RW
	Read	CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-Video, CD-DA, DVD-R, CD-ROM XA, CD-G, CD-I, CD-I Ready, CD-I Bridge, CD-Text, Multisession (Photo CD, CD EXTRA),
Interface	ATAPI / EIDE	
Access Time	DVD-ROM Read	Random Access Time: 160ms Random Seek Time: 140ms
	CD-ROM Read	Random Access Time: 110ms Random Seek Time: 105ms
Data Transfer Rate	Sustained	Write: 150KB/s (1x); 300KB/s (2x); 600KB/s (4x) Read: Max. 5,408KB/s (DVD-ROM) Max. 3,600KB/s (CD-ROM)
	Burst	PIO Mode 4, 16.7MB/s DMA Multi Word DMA, 16.7MB/s
Buffer Size	2MB	
Power Consumption	Ave. 7.2W (write) Ave. 7.7W (read)	
Ambient Operating Temperature	5 degrees to 45 degrees (centigrade)	
Disc Loading	Tray type, electrical load/eject	
MTBF	100,000 H	
Source Voltage	DC 5V/12V	
External Dimensions	41.5mm (H) X 146.0mm (W) X 193.0mm (D)	
Weight	980g	

Storage Device Division

Toshiba Storage Device Division leads the market in the development, design and manufacturing of DVD-RAM, DVD-ROM, CD-ROM, CD-RW

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drives and 2.5-inch hard disk drives. The Storage Device Division markets high quality peripherals to original equipment manufacturers, value-added resellers, value-added dealers, systems integrators and distributors in Europe. Inherent in the company's product line is the high-quality engineering and manufacturing which has established Toshiba products as worldwide leaders.