

CD-ReWritable drive

CDD3801

Competitive CD-RW drive with fast 24x read performance for all CD media

- **Combines CD-ROM with CD-Recordable and CD-ReWritable functions**

- **Fast read speed: up to 24x for all CD media**

(pressed CD, CD-R and CD-RW)

- **Supports digital audio extraction at up to 24x speed**

- **Random access time 100 ms**

- **2x write speed for both CD-R and CD-RW media**

- **Standard E-IDE/ATAPI interface**

- **Large 2 MB internal buffer**

- **Secure data storage and high integrity with initial and running OPC plus extensive error correction**

- **Dust sealing, tray loader design**

- **Suitable for horizontal or vertical mounting**

- **Complies with PC 98 specifications**



COMPACT
disc
Recordable
ReWritable

The Philips CDD3801 offers you an attractive way to upgrade your system specifications.

It combines full CD-ROM functionality with the extra capability of writing all standard CD formats on both CD-Recordable (CD-R) and CD-ReWritable (CD-RW) media.

This versatile drive reads all CD media like pressed CD, CD-R and even CD-RW media at 24x, and in addition it gives all the CD (re-)writing capabilities that are needed for data storage and archiving with near-line access. The CDD3801 also enables convenient data interchange with the large worldwide installed base of CD-ROM drives and CD players.

Let's make things better.



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The fast read speed of up to 24x provides the high CD-ROM performance that today's applications demand, so just a single drive gives you an attractive solution for all CD read and write needs. The 24x read performance applies to all CD media, so the user virtually sees no difference when reading self-written data on CD-RW media or reading from a pressed CD. At digital audio extraction (DAE) normal CD-ROM drives usually spin down to lower read speeds to get reliable results. However, the CDD3801 is especially designed for digital audio extraction at 24x. The CDD3801 also offers 2x write speed on both CD-R and CD-RW media.

Ensuring good write and read integrity, Philips' state-of-the-art CD-RW technology combines both Initial OPC (Optimal Power Calibration) and Running OPC to ensure that the laser energy is constantly optimized, both before and during recording. This is combined with extensive defect management and recovery, resulting in optimum data integrity and security.

The CDD3801 is easy to integrate into complete PC systems or aftermarket kits, thanks to its standard Enhanced-IDE/ATAPI interface, compatibility with MS-DOS, Windows 95/98 and NT operating systems, and full compliance with the PC 98 specifications.

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Technical specifications

Functions		Loader	Dust sealing, tray loader
Read	All CD-ROM, CD-R/CD-RW and Audio CD	Orientation mounting	Horizontal or vertical
Write	CD-R/CD-RW Orange Book (single- or multi-session)	Random access time (1/3 stroke avg.)	100 ms
OS compatibility	MS-DOS, Windows 95/98, Windows NT	Power consumption	
Interface	E-IDE/ATAPI	Sleep mode	1.2 W
Internal buffer	2 MB	Normal mode	5.5 W
Audio outputs		Peak	12.7 W
Front	Headphone socket with volume control	Environmental	
Rear	Line-out, fixed volume	Shock / vibration (horizontal)	5 g / 11 ms (6 directions)
Form factor	5.25" half-height	Shock / vibration (vertical)	3 g / 11 ms (6 directions)
Command set	MMC	Operating temp. / humidity	5 - 45 °C / 8 - 80%
Power supply	+5 V ±5%, +12 V ±10%	Others	
Read speed		Upgradable firmware	Yes (flash memory)
Pressed CD	24x (CAV)	Initial OPC	Yes
CD-R media	24x (CAV)	Running OPC	Yes
CD-RW media	24x (CAV)	PC 98 compatibility	Yes
Audio extraction	24x (CAV)	Quality / Reliability	
Write speed	2x (CLV) for both CD-R and CD-RW media	MTBF	200,000 POH (30% duty cycle)



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