CD-ReWritable drive

CD-RW drive with true 4x write performance and fast 32x read speed

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

• **Fast write speed: 4x for both CD-R and CD-RW media**

• **Fast read speed: up to 32x for all CD media**

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

• **Supports digital audio extraction at up to 12x speed**

• **Random access time 120 ms**

• **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 sealed, tray loader design**

• **Suitable for horizontal or vertical mounting**

• **Complies with PC 99 specifications**

COMPACT
disc
Recordable
ReWritable

The Philips CDD4401 offers full CD-ROM functionality plus enhanced CD (re-)writing performance, with a fast 4x write speed on both CD-Recordable (CD-R) *and* CD-ReWritable (CD-RW) media. All these functions are combined in a single, versatile drive that can read and write all CD formats. Thanks to the fast read speed of up to 32x, the CDD4401 provides the high CD-ROM performance that today's applications demand, so no additional CD-ROM drive is needed in the system.

Let's make things better.

PHILIPS

The Philips CDD4401 offers fast 4x write speed on both CD-R *and* CD-RW media. So now you have the enhanced 4x write performance available for typical CD-RW applications like temporary datastorage, backup and archiving. The CDD4401 also enables convenient data interchange with the worldwide installed base of CD-ROM drives and CD players. Furthermore this versatile drive reads all CD media like pressed CD, CD-R and even CD-RW media at 32x speeds. The CDD4401 has excellent performance in digital audio extraction at 12x.

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 CDD4401 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 99 specifications.

For more information:

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CDD440I

Technical specifications

Functions

Read	All CD-ROM, CD-R/CD-RW and Audio CD
Write	CD-R/CD-RW Orange Book (single- or multi-session)

OS compatibility MS-DOS, Windows 95/98, Windows NT

Interface E-IDE/ATAPI

Internal buffer 2 MB

Audio outputs

Front	Headphone socket with volume control
Rear	Line-out, fixed volume Digital audio out

Form factor 5.25" half-height

Command set MMC

Power supply +5 V ±5%, +12 V ±10%

Read speed

Pressed CD	32x (CAV)
CD-R media	32x (CAV)
CD-RW media	32x (CAV)
Audio extraction	12x (CAV)
Transfer rate	4.8 MB/s (mode 1)

Write speed

CD-R media	4x (CLV)
CD-RW media	4x (CLV)

Random access time (1/3 stroke avg.) 120 ms

Loader Dust sealed, tray loader

Orientation mounting Horizontal or vertical

Power consumption

Sleep mode	<1.2 W
Normal mode	<13 W (depend on mode)
Average peak	14 W

Environmental

Shock / vibration (horizontal)	2 g / 6 ms (6 directions)
Shock / vibration (vertical)	1.5 g / 6 ms (6 directions)
Operating temp. / humidity	5 - 45 °C / 8 - 80%

Others

Fast format	Yes
Upgradable firmware	Yes (flash memory)
Initial OPC	Yes
Running OPC	Yes
PC 99 compatibility	Yes

Quality / Reliability

MTBF	200,000 POH (30% duty cycle)

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Let's make things better.