

# CD-ReWritable drive

## CDD4201

**CD-RW drive with true 4x write performance and fast 24x 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 24x for all CD media (pressed CD, CD-R and CD-RW)*
- *Supports digital audio extraction at up to 12x speed*
- *Random access time 125 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 CDD4201 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 24x, the CDD4201 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 CDD4201 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 data storage, backup and archiving. The CDD4201 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 24x speeds. The CDD4201 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 CDD4201 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.



## Technical specifications

<b>Functions</b>		<b>Random access time (1/3 stroke avg.)</b>	125 ms
Read	All CD-ROM, CD-R/CD-RW and Audio CD	<b>Loader</b>	Dust sealed, tray loader
Write	CD-R/CD-RW Orange Book (single- or multi-session)	<b>Orientation mounting</b>	Horizontal or vertical
<b>OS compatibility</b>	MS-DOS, Windows 95/98, Windows NT	<b>Power consumption</b>	
<b>Interface</b>	E-IDE/ATAPI	Sleep mode	1.2 W
<b>Internal buffer</b>	2 MB	Normal mode	<13 W (depend on mode)
<b>Audio outputs</b>		Average peak	14 W
Front	Headphone socket with volume control	<b>Environmental</b>	
Rear	Line-out, fixed volume	Shock / vibration (horizontal)	2 g / 6 ms (6 directions)
<b>Form factor</b>	5.25" half-height	Shock / vibration (vertical)	1.5 g / 6 ms (6 directions)
<b>Command set</b>	MMC	Operating temp. / humidity	5 - 45 °C / 8 - 80%
<b>Power supply</b>	+5 V ±5%, +12 V ±10%	<b>Others</b>	
<b>Read speed</b>		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 99 compatibility	Yes
Audio extraction	12x (CAV)	<b>Quality / Reliability</b>	
<b>Write speed</b>		MTBF	200,000 POH (30% duty cycle)
CD-R media	4x (CLV)		
CD-RW media	4x (CLV)		

### For more information:

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