

Model RCD4X4I



Recordable CD



DESCRIPTION

Pinnacle Micro introduces its new RCD 4x4, a powerful 4x Writer/4x Reader Recordable CD System. Now users can easily create custom CDs - up to 650 Megabytes or 74 minutes of audio - in approximately 15 minutes. Users can also read any CD-ROM title at 4x speed. With fast, random access to data, optical media reliability up to 100 years, and a low cost per megabyte, the RCD 4x4 offers one of the best removable storage options on the market today. The RCD 4x4 includes a 1 MB internal buffer which is key to data transfer speed and successful disc creation. CD technology also provides a convenient and universal medium for users to distribute information which can be played on most CD-ROM drives.

The RCD 4x4 is available in internal* and external configurations to accommodate PC, Mac, and most Unix workstation environments. With its 5.25" half-height form factor, the internal RCD 4x4 can fit into any open drive bay. The unique compact design of the external RCD 4x4 is perfect for desktop use.

Users can create CDs in many of the popular formats utilizing different CD authoring packages available from Pinnacle Micro (CD Burner for Mac) and other third party software partners such as Adaptec (Easy CD-Pro for PC), Astarte (Toast for Mac), and Elektrosn (Gear for Unix). The RCD 4x4 also includes the first Windows 95 and Windows NT 4.0 backup utility, Disk Archive 95**, to easily store sensitive data safely and reliably.

SPECIFICATIONS

GENERAL SPECIFICATIONS

Interface

SCSI-II, single ended ANSI X3T9.2X86

Connectors/Switches

50 Pins	Centronics 50
3 Prong IEC	Power Connector
Pin Wheel	SCSI ID Selector
Rocker On/Off Switch	Power Switch
2 Phone Jacks	Stereo Audio Out

Indicators

Busy LED
Green - Reading data from disc
Yellow - Writing data or audio to disc
Yellow (blink) - Playing audio

Speed LED
Green - Quadruple or double speed
Yellow - Normal disc

Internal Buffer Size

1 Megabyte

Mounting

Horizontal $\pm 10^\circ$

SPECIFICATIONS CONT.

Dimensions (External Case)

20.0 x 25.5 x 6.0 cm

Weight

1.6 kg (3.7 lbs.)

Reliability

50,000 Hours - MTBF

30 Minutes - MTTR

Certifications

UL, CSA, TÜV

MEDIA

Description

5.25" standard compact disc. Compatible with existing CD audio players & CD ROMs.

Capacity

635 Mbytes - 63 Minute Audio

746 Mbytes - 74 Minute Audio

PERFORMANCE

Read

4x (600 KB/sec)

Write

4x (600 KB/sec)

Interface Transfer Rate

5.0 Mbytes/sec - Synchronous/Asynchronous

Spindle Speed

Quad Speed 800 RPM (outer); 2400 RPM (inner)

Seek Time

220 msec Average

Load/Unload Time

3 seconds

Reliability

< 1 error in 10 -12 bits

OPERATING CONDITIONS

Temperature

Operating 5°C ~ 40°C, 10°/hr
Non-Operating -30°C ~ 55°C, 15°/hr

Humidity

Operating 20% ~ 80% RH (Non-Condensing)
Non-Operating 10% ~ 80% RH (Non-Condensing)

Vibration

Operating 0.2G, 5 ~ 300 Hz
Non-Operating 2.0G, 5 ~ 100 Hz

Shock

Operating 2.0G 11ms pulse
Non-Operating 5.0G 11ms pulse

Altitude

Operating -60m ~ 3000m
Non-Operating -300m ~ 15000m

External Power Requirements

Operating 90-132/180 - 264 VAC

Internal Power Requirements

Operating 5 VDC @ 1.5A max
12 VDC @ 2.5A max

AUDIO OUTPUT SPECIFICATIONS

Line Out

>1.0 vrms, 47 ohms terminated

Headphone Out

>0.8 vrms, +/- .3V @ 32 ohms terminated

Distortion

<0.08% 1KHz

Channel Separation

>60 dB

Signal-to-Noise Ratio

>75 dB or more (1 KHz, 1HFA)

ORDERING GUIDE

Model

RCD4X4I

CD-ROM Drive, Adaptec Controller Cable, Utility Software for Recording, EZ-SCSI for DOS/Windows 3.x, NT 3.x, 2 Blank CD-ROM

Media

Model CDBLANK

Blank CD-ROM, 680MB, Single Pack (MFR varies)



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