

CD-i/PC



CD-i/PC: Full-Screen, Full-Motion CD-i and Video CD Playback on a PC



CD-i Playback Board for IBM PC Compatibles

CD-i and CD-ROM Compatible

- Plays all CD-i titles, with true-color video and CD-Quality audio.
- IDE CD-ROM interface on board.

MPEG-Quality Digital Video

- Provides theater-quality pictures
- Digital Video for playing CD-i Digital Video Titles and watching Video CD software.

On-Board Processing Power And Memory

- Performs all CD-i multimedia functions independently of the CPU. A 386SX/16 CPU displays the same quality and speed as a Pentium. All CD-i titles run from CD and do not use hard disk space or PC system memory.

Load And Play Without Lengthy Setup

- CD-i software plays directly from disc, there is no need for lengthy installation of software, nor adaptations of memory settings and hard disk reorganisations.

COMPACT
disc
Interactive

COMPACT
disc
DIGITAL AUDIO

COMPACT
disc
DIGITAL AUDIO
GRAPHICS

COMPACT
disc
DIGITAL VIDEO

COMPACT
disc

COMPACT
disc
PHOTO

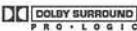


CD-i



PHILIPS

Turn your PC into a cinema, pop venue, adventure playground, photo album and action game platform

CD-i/PC by Philips Media Systems is the first theater quality CD-i and Video CD compatible playback controller for the PC. CD-i/PC plays true-color video at 25/30 frames per second on a standard VGA monitor. Its display video is line scroll free and its overall picture quality is close to that of 100Hz Digital Scan TV's. Additionally it is possible to connect an external TV for the 'big' picture and an external HiFi set for the 'big' Dolby Pro-Logic Surround®  compatible sound.

The complete CD-i/PC system consists of a high quality CD-i playback controller board with an on-board IDE CD-ROM interface for connecting a top-quality high speed IDE CD-ROM drive. This turns your CD-i/PC into a high-end CD-ROM playback device.

CD-i/PC is a system from Philips, the innovator and pioneer of CD Technology. This means CD-i/PC is also a professional quality 16-bit sound system, delivering CD-Quality digital stereo audio sound for the most

demanding ears. When playing CD-i and within Video CD feature films, fully orchestrated soundtracks with Dolby Pro-Logic Surround®  run simultaneously with full motion video images for the ultimate multimedia experience.

CD-i/PC works without a VGA feature connector; it works with all VGA and SVGA standards.

TECHNICAL SPECIFICATIONS CD-i/PC

VIDEO PLAYBACK SPECIFICATIONS

MPEG Video Standard	Full compliance with MPEG standard (ISO CD 11172) Full compliance with CD-i Digital Video standard Full compliance with Video CD 'White Book' standard
Colors	All 16.7 Million colors (true-color)
Resolution	CD-i resolution (up to 768 x 512)
Screen switch	Full screen switch between VGA/SVGA and CD-i; independent from VGA/SVGA resolution; no need for feature connector NTSC/PAL switchable
Multi screen	Picture on Monitor and separate TV simultaneously

AUDIO SPECIFICATIONS

MPEG Sound Standard	Layers I and II
Playback	16-bit stereo PCM; 44.1Khz sampling rate
Frequency response	20Hz-20kHz
Audio Outputs	Stereo headphone output - 2 x 75mW with 32 ohm impedance load - 2V rms with 100 ohm load (powered speakers) Dolby Pro-Logic Surround® prepared
Frequency response	20Hz-20kHz
Amplitude linearity (20Hz-20kHz)	± 0.2 dB
Signal-to-noise (A-weighted, 1kHz)	100 dB
Dynamic range (1kHz)	94 dB
Channel separation (1kHz)	101 dB
TD+Noise (1kHz)	90 dB

RECOMMENDED CD-ROM DRIVE

Interface	IDE interface and ATAPI Digital Out
Speed	4x (quad) or 2x (double)
Standards	MPC2 compatible Photo CD compatible (multi session) Reads CD-i disc information

SYSTEM REQUIREMENTS

IBM Compatible PC 386SX/16 or higher
2MB RAM
One free ISA slot (full-length)
VGA or multisync display
DOS 5.0 or later and Microsoft Windows 3.1 or later or OS/2 Warp

SYSTEM INTERFACE

Bus Interface	Standard IBM PC 16-bit ISA bus edge connector
Video Interface	15-pin VGA /SVGA connector
Video Output	15-pin VGA/SVGA connector CVBS Video out for connection to external TV
Audio Output	Stereo mini headphone/line-out jack
CD-i I/O	CD-i I/O port (mini DIN8a) for dedicated CD-i Controller

REGULATOR APPROVAL

FCC	Class B
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SOFTWARE SUPPORT

Drivers for Windows, DOS and OS/2 Warp
MPEG compatible with Video CD
Includes several CD-i Titles

CABLES

VGA Input cable
CD-ROM Digital Data Cable
CVBS video cable (to TV)

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