PLEXTOR®

Internal E-IDE (ATAPI)

PX-716AL

6x Double/Dual Layer DVD (8.5 GB)

1x6 DVD±R

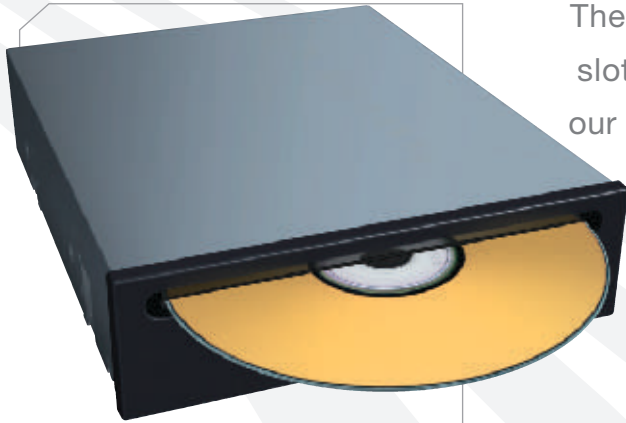| |
|---|
| 6X DVD±R DL |
| 8X DVD+RW |
| 4X DVD-RW |
| 16X DVD-ROM |
| 48X CD-R |
| 24X CD-RW |
| 48X CD-ROM |

The PX-716AL DVD±R/RW CD-R/RW internal E-IDE (ATAPI) slot-loading drive from Plextor® offers all the advantages of our legendary CD-RW & DVD drives. Along with double/dual layer (8.5GB) and dual DVD format capabilities, the PX-716AL is also supported by Intelligent Recording technology to enhance your recording activities.

FEATURES

- ☐ Easy to use - slot-loading

- ☐ 6X DVD±R DL, 16X DVD±R, 8X DVD+RW, 4X DVD-RW, 16X DVD-ROM, 48X CD-R, 24X CD-RW and 48X CD-ROM

- ☐ DVD double/dual layer allows you to record up to 4 hours of high quality MPEG-2/DVD video on a 8.5 GB disc

- ☐ Intelligent Recording technology for recording at high quality and optimum speed

- ☐ Achieves 16X write performance with recommended 8X DVD+R media

- ☐ Supports DVD+RW background format

- ☐ Supports DVD±VR format for direct disc recording

- ☐ Buffer Underrun Proof technology prevents buffer underrun errors

- ☐ Short drive length for small form factor PC

- ☐ Failsafe mechanism to retrieve discs in the event of a failure

- ☐ Windows® 98SE/Me/2000/XP™

- ☐ One-year full warranty (parts and labor)

Performance You Can Rely On

The PX-716AL has a unique technology and feature combination offering unparalleled reliability:

Intelligent Recording — Achieve high-quality recording at optimum speeds using any media!

AUTOSTRATEGY® Writing technology for unknown media with uneven quality. When a writable disc isn't listed in the drive's internal media catalog, AUTOSTRATEGY automatically checks the disc and develops a write strategy for it.

INTELLIGENTTILT™ Precise laser control via liquid crystal and three-dimensional tilt adjustment for uneven disc surfaces. Ensures optimal recording and reading, especially with double-layer media.

POWEREC™ Plextor Optimized Writing Error Reduction Control (PoweRec) adjusts laser power and writing speed so they're at the optimum settings for that particular disc.

Powerful Software that Works for You

Roxio® Easy Media Creator™ 7 is an award winning software suite which combines full-featured photo, video, music, burning, and authoring applications for the PC.
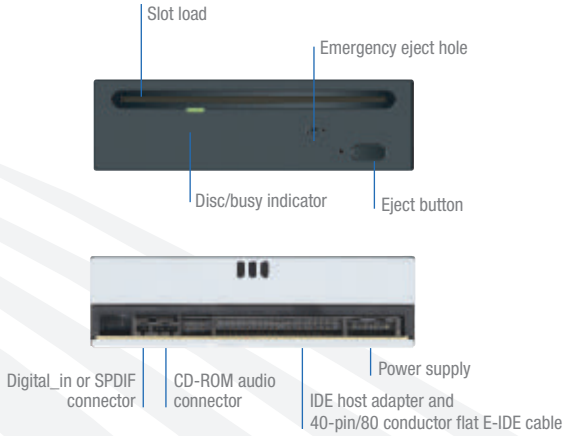
cnet Editors' Choice OCT 2003 — PX-708A

PC WORLD Best BUY — PX-708A

PC WORLD WORLD CLASS 2004 — PX-712A

WPP KICK ASS — PX-712A

Performance

Data Transfer Rate	CAV, PCAV, CLV write/CAV read and CLV read	
Sustained Read/Write Speed	16X (DVD read/write)	9.28 - 22.16 MB/sec
	12X (DVD read/write)	8.31 - 16.62 MB/sec (write) 6.92 - 16.62 MB/sec (read)
	8X (DVD read/write)	8.31 - 11.08 MB/sec (write) 4.70 - 11.08 MB/sec (read)
	6X (DVD write only)	8.31 MB/sec
	5X (DVD read only)	2.90 - 6.92 MB/sec
	4X (DVD write only)	5.54 MB/sec
	2.4X (DVD write only)	3.32 MB/sec
	2X (DVD read/write)	2.77 MB/sec
	1X (DVD write only)	1.38 MB/sec
	48X (CD read/write)	3.18 - 7.2 MB/sec
	48X (CD read/write)	3.18 - 7.2 MB/sec
	40X (CD read only)	2.71 - 6 MB/sec
	32X (CD read/write)	3.18 - 4.8 MB/sec (write) 2.17 - 4.8 MB/sec (read)
	24X (CD read/write)	3 - 3.6 MB/sec
	16X (CD write only)	2.4 MB/sec
	10X (CD write only)	1.5 MB/sec
	8X (CD write only)	1.2 MB/sec
	4X (CD read/rewrite/write)	600 KB/sec
Burst Read/Write	66 MB/sec (Ultra DMA Mode 4)	16.6 MB/sec (PIO Mode 4/DMA Mode 2)
Typical CD Random Access	<100 ms	**Typical DVD Random Access** <150 ms
Buffer	8 MB	**Error Rate** Mode 1: block/10^{12} bits Mode 2: block/10^{9} bits

Slot load

Emergency eject hole

Disc/busy indicator   Eject button

Digital_in or SPDIF connector   CD-ROM audio connector   Power supply

IDE host adapter and 40-pin/80 conductor flat E-IDE cable

Recommended Media (All DVD-RW and CD-RW media is rewritable up to 1,000 times)

DVD+R (4.7 GB)	16X 12X, 8X, 6X, 4X, 2.4X	Maxell, Taiyo Yuden, Verbatim/Mitsubishi Chemical Maxell, Ricoh, Taiyo Yuden, Verbatim/Mitsubishi Chemical
DVD+RW	8X, 4X, 2.4X	Ricoh, Verbatim/Mitsubishi Chemical
DVD+R DL	6X, 4X, 2.4X	Verbatim/Mitsubishi Chemical
DVD-R	16X 12X, 8X, 6X, 4X, 2X	Verbatim/Mitsubishi Chemical Maxell, Taiyo Yuden, TDK, Verbatim/Mitsubishi Chemical
DVD-RW	1X - 4X	TDK, Verbatim/Mitsubishi Chemical, Victor
DVD-R DL	6X, 2X	Verbatim/Mitsubishi Chemical
CD-R	4X - 48X 4X - 16X	Maxell, Taiyo Yuden, Verbatim/Mitsubishi Chemical Ricoh
CD-RW	24X 4X - 10X	Verbatim/Mitsubishi Chemical Ricoh, Verbatim/Mitsubishi Chemical

*Check for the latest media compatibility list on the Plextor website. NOTE: PoweRec will determine if 16X write speed is possible and will set the optimal write speed.

Disc

Usable DVD Formats	DVD-ROM, DVD-Video, Multi-border, Multi-session, DVD+VR, DVD-VR
Usable CD Formats	CD-DA, CD-Extra, CD-ROM Mode-1, CD-ROM Mode-2, CD-ROM XA, Photo-CD, Video-CD, Multi-session, CD TEXT, CD-I, CD+G, UDF
Disc Diameter	12 cm, 8 cm
Recording CD Modes	Track-at-Once, Disc-at-Once, Packet Write (variable and fixed), Session-at-Once
Recording DVD+R DL Mode(s)	Disc-at-Once
Recording DVD+R/RW Mode(s)	Disc-at-Once, Incremental Recording, Multi-session, Random access write, Sequential Write
Recording DVD-R/RW Mode(s)	Disc-at-Once, Incremental Recording, Multi-border Recording, Restricted Overwriting, DRT-DM

Front Panel

Eject	Auto Eject/Manual Emergency/Software Control
Lights	Power on/Disc Access/Writing/Disc Type/Reading
Disc Loading	Slot Load

Rear Panel

Power Supply	DC +5 V and DC +12 V
Jumper Switches	Master; Slave; Cable Select; Multiword DMA/PIO
Interface Connector	IDE host adapter and 40-pin Flat E-IDE cable
SPDIF	Digital Audio Out
Audio Output	Analog Output, Molex Connector

Dimensions & Weight

Dimensions (W/H/D)	5.75 in x 1.63 in x 7.04 in 146 mm x 41 mm x 178.7 mm
Weight	2.31 lbs 1050 g

Minimum System Requirements

CPU	Pentium® 4 1.4 GHz or equivalent (minimum)
HDD	1 GB free space for copying CD to CD image 10 GB free space for DVD authoring
RAM	256 MB
Monitor Display Resolution	1024 X 768 at 16-bit color
OS Support	Windows 98SE/Me/2000/XP

Need more information?
www.plextor.com