



12/20PLEX™

Twelve-Twenty Speed P-CAV CD-ROM Drive

Features:

- 12X to 20X Throughput, P-CAV (Partial CAV)
- 95ms Random Access Speed
- 512KB Buffer
- Fast SCSI
- Compatible with CD-R/W (CD-Re-Writable) media and variable packet writing
- True Plug & Play*
 - Auto selection of SCSI ID
 - Active termination
- Capable of Digital Audio Extraction at high speed with "bit-by-bit" accuracy
- Sub-Code output available
- Operating Systems
Compatibility:
Intel PC:
Windows®, Windows 95,
Windows NT, NetWare,
OS/2 Warp, SCO & Solaris X86
Power PC/Apple:
Mac OS & AUX
Sun Solaris: Sun OS
SGI: IRIX
IBM AS/400, RS-6000: AIX
HP: HP-UX, NT
DEC Alpha: VAX, NT
- Two-year full warranty (parts, labor, replacement)
- Toll-Free Tech Support
800-886-3935

The 12/20PleX, Plextor's high-performance twelve to twenty speed SCSI P-CAV CD-ROM drive, is the first professional quality CAV (Constant Angular Velocity) drive. With the 12/20PleX users are guaranteed a minimum of twelve speed performance and will experience up to twenty speed performance.

Up to five times as fast as a standard quad speed, the 12/20PleX's transfer rate of 3Megabytes/second speeds up most CD-ROM related computing tasks. The 12/20PleX also boasts an industry leading average random access time of 95ms. Compatible with the latest in recordable CD technology, CD-R/W (Re-Writable CD-ROM), the 12/20PleX positions users for worry free use of the new generation of writable CD media— so-called "MultiRead" capability.

For business and network use, a SCSI CD-ROM drive with blazing access times improves both multi-user and multi-tasking performance. Finally, superior management of the 12/20PleX's 512KB buffer further enhances the CD-ROM drive's efficiency and reduces CPU utilization. In combination, these features provide improved performance to the professional user's entire computer system. For the multimedia enthusiast, they provide better playback of audio and video.

For the business user, the 12/20PleX improves performance of most applications. These include serving data images or video from network servers, transferring huge files to hard disk, loading large operating systems and new programs quickly, document image management, quickly searching large databases, creating multimedia presentations, playback of multimedia training materials, and many others.

The 12/20PleX: Soon to join the ranks of its award-winning predecessors!

12PleX & 6PleX



12PleX



12PleX



6PleX & 4PleX Plus



6PleX



12PleX, 8PleX & 6PleX





Features and Benefits:

- Maximum of 20 and minimum of 12 speed data transfer. Up to five times more data throughput than quad speed at the outer rim of the disc using CAV CD-ROM technology.
- Fast access times speed up multitasking operating systems such as Windows NT and Windows 95. Database searches also run faster.
- Optimized management of 512KB buffer results in use of less CPU resources — as little as 20% utilization for increased system efficiency and improved audio-video playback. In combination with fast data access speeds, even virtual reality and demanding games work in real time on 12/20PleX.
- Fast SCSI-2 speeds up the entire computer system when used with other SCSI devices.
- Front panel and software controls for easy playback of your favorite music CDs.
- Easy installation and upgrade with SCAM (SCSI Configured Auto Magically) — SCSI ID's are auto selected and termination can be auto-configured. Especially beneficial for first time install and sharing of external drives on several machines, SCAM is true plug and play*.
- Warranty — Full two years: parts, labor, and replacement.
- More Reliability — Solid construction and advanced components place the 12/20PleX a cut above the rest. Brushless motors with two bearings on cushioned suspension ensure minimal disc vibration and years of dependable service.
- More Compatibility — All major operating systems including Windows 95, Windows NT; all major formats, including CD-Plus, Multisession, Enhanced CD; all recordable CD-R (CD-Recordable) media, CD-R/W (CD-Re-Writable) and applicable standards such as CD-UDF OSTA packet writing standards and Direct CD. The result is worry-free installation and playback.
- Bootable CD Technology — Reboot your crashed system without reformatting your hard disk, even load multiple OS's for specialized applications and games.

*Requires SCAM (SCSI Configured Auto Magically) capable SCSI interface board available in all 12PleX kits. †When connected to a compliant SCSI interface board and using bootable CD.

12/20PleX: PX-20TS MAXIMUM SPEED FOR ULTIMATE NEED

SPECIFICATIONS

	PX-20TS/e Tray Load SCSI P-CAV Drive, Internal/External	
Disc		
Usable Formats	CD-DA; CD-ROM Mode 1; CD-ROM XA Mode 2, Form 1 & Form 2; Multisession Mode 1 & 2; CD UDF (variable packets)	
Disc Type	ISO 9660-HFS; Rockridge; PhotoCD; Video CD; CD-I; CD-Extra (CD-Plus); Enhanced CD; CD-R; CD+G; CD+Mid; CD-Text	
Disc Diameter	12cm (60 min. & 74 min.)	
Performance		
Data Transfer Rate	Partial CAV	
Sustained	1.8MB/second (12X Speed)	
	3.0MB/second (20X Speed)	
Burst	10MB/second (synchronous)	
	5.0MB/second (asynchronous)	
Random Access Speed	95ms	
Data Buffer	512KB (256 Blocks)	
Spindle Motor	Brushless	
Error Rate	Mode 1: Block/10 ¹² Bits; Mode 2: Block/10 ⁹ Bits	
Front Panel		
Eject	Auto Eject; Manual Emergency Eject	
Lights	DISC: ON/BUSY	
Disc Loading	Auto	
Headphone Jack	Stereo Minijack, 0.8V at 32 Ohms	
Volume Control	Wheel Knob	
CD-Audio Controls	Play/Track Advance; Stop/Eject	
Rear Panel		
Power Supply	Int	DC +5V at Average 0.5A (Peak 0.8A); DC +12V at Average 0.7A (Peak 2.2A)
	Ext	AC 100-240V 50/60 Hz, 0.3A (Auto Switching)
Power Switch	Int	N/A
	Ext	Tumbler Type: 3A, 250V
Interface Connector	Int	Fast SCSI Bus, 50-Pin Header Type
	Ext	Fast SCSI Bus, Two (2) 50-Pin High Density
Termination	Int	Jumper Switch
	Ext	DIP Switch
Audio Output	Int	Analog Output, Molex Connector (L*G*G*R), MPC2 Standard
	Ext	Analog Output, RCA Jacks
Jumper Switches	Int	SCSI ID, Parity
DIP Switches	Ext	Parity, Term. Test, Block Size, Media Lock
Rotary Switch	Int	NA
	Ext	SCSI ID
Dimensions and Weight		
Dimensions (W/H/D)	Int	5.78" x 1.64" x 7.95" (without front panel)
	Ext	7.0" x 2.24" x 12.03" (without projection)
Weight	Int	2.4 lbs.
	Ext	5.7 lbs.
Reliability		
MTBF	100,000 POH	
Tray Loading	50,000 load cycles	

Plextor Manager

Plextor Manager™ 32bit software utilities offer unique features, including Digital Audio Extraction at high speed and Disc Info™, which reports the disc format, file type, tracks and number of sessions. Digital Audio Extraction allows creation of .WAV files from CD-Audio discs. Additional valuable utilities include CD/AV player and complete audio CD control. In addition, with the introduction of the 12/20PleX, Plextor Manager offers these new features: DiscDupe™ gives you the power to burn your own CD directly from the 12/20PleX to a PlexWriter™ CD-R with "bit-by-bit" accuracy using Disc-at-once method, without expensive software add-ons. The QuickStart™ function allows you to set your drive to optimize either throughput or access speed - whatever your application requires.

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