



ASUS CD-S520 (ASUS 52X CD-ROM)

ASUS CD-S520 is the most reliable choice of CD-ROM drive with the breakthrough in sustainable accuracy and stability under high speed.

■ The ASUS CD-S520 breaks through the bottlenecks inherent in traditional CD-ROM technology with innovative solutions to sustain accuracy and stability of high-speed data transfer. The next-generation DDSS II (Double Dynamic Suspension System II) anti-vibration design used in the ASUS CD-S520 offers unparalleled performance to match the demands of high-end systems. DDSS II reduces vibration so that the drive's pick-up head can access data with optimum stability and accuracy. The drive offers rotation speeds of up to 10,400rpm that read data up to 7800 KB/sec transfer rate and supports UltraDMA/33 transfer mode for minimal CPU utilization. The unit features audio play and skip buttons on the front of the unit.

■ The new ASUS CD-S520 is able to offer unparalleled performance to match demand for high-end systems. PC PRO, U.K., presented that ASUS CD-ROM drive not only can reach highest data transfer rate, but also has outstanding performance, stability, and playability.

Specification	
Data Transfer Rate	52X max CAV (3300 ~ 7800k bytes/sec.(Mode 1))
Burst Transfer Rate	PIO mode 4 (16.6M bytes/s max.) Single-word DMA mode 2 (8.3M bytes/s max.) Multi-word DMA mode 2 (16.6M bytes/s max.) Ultra DMA/33 mode (33.3M bytes/s max.)
Access time	Average: 1/3 Stroke 80 ms typical Full stroke: 150 ms typical
Data Buffer	The drive has a data buffer, which is implemented for look-ahead cache. This buffer has a size of 128K bytes.
Interface	Standard Enhanced IDE (ATAPI) bus interface.
Support Format	CD-Audio CD-ROM, Mode 1 and Mode 2 CD-ROM XA, Mode 2, form 1 and form 2 CD-I Trax Karaoke CD Photo-CD (Single & Multi-session) Video CD Mixed Mode CD (Audio combined data) CD-Extra
Data/Audio Capacity	Data Capacity 656 Mbytes (Mode 1) 748 Mbytes (Mode 2) Playing Time 74 minutes and 42 seconds
Front Panel	An Open/Close/Stop button An Audio Play/Skip button A Volume control knob A green LED, it indicates POWER ON & BUSY Emergency ejection hole
Audio Specifications	Number of Channels: 2 (Stereo) Distortion: 0.2 % max. (at 1kHz) Signal to Noise Ratio: 70dB Output Levels Headphone: 0.7 V rms typical Line out: 0.7 V rms typical Output terminals Headphone: 3.5 mm Line Out: Jack 4-pin Terminal Digital out: 2-pin Terminal
Compatibility	DOS 6.xx, Windows 3.x, Windows 95, Windows 98, Windows NT, Windows XP, Netware, SCO UNIX, OS/2 Warp MPC level 3 compatible.
Environment	Temperature Operating: 5oC to 45oC Non-operating: -20oC to 60oC Humidity Operating: 20% to 80% (Non-Condensing) Non-Operating: 20% to 90% (Non-Condensing) Vibration Operating 0.3G peak Non-operating 2.0G peak Shock Storage Less than 100G at 91 cm high Check unit for satisfactory electrical operation and no physical damage. Note. Each 3 directions. Acoustic Microphone located 1M above the drive. Access mode 60 dB max.
Reliability	MTBF: 120,000 Power On hours (POH) POH: Read and Access duty is 20%
Power Requirements	Voltage: +5V DC / +12V DC Tolerance: 5% / 10% Ripple: 150m Vpp / 300m Vpp Rating: 900ma / 1500ma
Mechanical Specification	Outer Dimensions Height 41.5 mm Width 149.0 mm Depth 197.5 mm Weight Weight 976g typical