

48x + 18x SATA DVD Drive

Features

iHDS118

- ★ SATA interface, Half-Height internal drive with 48X CD-ROM and 18X DVD-ROM Read Speed
- ★ SMART-X(*1) function adjusts CD-DA / VCD / DVD data extraction to a fastest allowable speed according to both data request rate from host and disk quality
- ★ ABS(*2) mechanism to reduce vibration & noise while high speed rotating
- ★ Belt Tray Loading Mechanism
- ★ DVD read compliant: DVD single/dual layer (PTP/OTP), DVD-R(3.9GB/4.7GB), DVD-R multi-borders, DVD+R, DVD+R multi-sessions, DVD-RW, DVD+RW, DVD+R DL, DVD-R DL and DVD-RAM
- ★ CD read compliant: CD-DA, CD-ROM, CD-ROM/XA, Photo-CD, Multi-session, Karaoke-CD, Video-CD, CD-I FMV, CD Extra, CD Plus, CD-R, and CD-RW
- ★ Easy-Tray design for both Horizontal & Vertical operation, supports both 8 cm & 12cm discs
- ★ Supported transfer mode: PIO mode 4 and Ultra DMA mode 5
- ★ MPC level 3, PC2001 System Design Guide, and MultiRead compliant

Specifications

◎ Performance :

Reading

CD Family	48X maximum by CAV
DVD Family	18X maximum by CAV
DVD-RAM	5X maximum by CAV

Access time

CD Family	95ms
DVD Family	105ms
DVD-RAM	150ms

◎ Buffer Size : 198KB (Max)

◎ PC Required : Pentium 4 1.3GHz or higher CPU and 128MB or higher RAM are required HDD must have access time < 20 ms; with a minimum of 650MB free space

◎ Compatibility : MS-Windows 2000/XP/VISTA

◎ MTBF(Life) : 70000 Hours

◎ Environment :

Operating	5°C to 50°C; Relative Humidity: 15% to 80%
Non-Operating	-40°C to 65°C; Relative Humidity: 15% to 90%

◎ Dimension : 146(W) x 41.3(H) x 170(D) mm

◎ Weight : <0.7 Kg

◎ Voltage Requirements :

+5V +/-5% and less than 100 mVp-p ripple voltage
+12V +/-5% and less than 200 mVp-p ripple voltage

*1 SMART-X : Smart Monitoring & Adjusting Read-speed Technology for eXtraction.

*2 ABS : Auto Balance Spindle