

iHAP322**Features**

ATAPI/E-IDE Half-Height internal DVD+R / DVD+RW / DVD-R / DVD-RW / DVD+R9/ DVD-R9/ DVD-RAM/DVD-ROM/ CD-R/ CD-RW / CD-ROM combination drive

Support Double Layer DVD+/-R9 Recording Function

SMART-BURN(*1) avoiding Buffer Under Run error, Automatically adjusting writing strategy & walking OPC to provide the best burning quality

SMART-X(*2) 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 system reduce vibration and noise during recording and reading

Support Fixed Packet, Variable Packet, TAO, SAO, DAO, Random Access Write, Incremental, sequential recording, restricted overwrite, Layer Jump recording, Raw Mode Burning & Over-Burn

DVD read compliant: DVD single/dual layer (PTP/OTP), DVD-R(3.9GB/4.7GB), DVD-R multi-borders, DVD-RAM, DVD+R, DVD+R multi-sessions, DVD-RW, and DVD+RW

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

Support both 8cm and 12cm disc of CD and DVD family

Conform to Orange Book: Part 2 CD-R Volume 1, Part 2 CD-R Volume 2 Multi Speed, Part 3 CD-RW Volume 1 (1x, 2x, and 4x), Part 3 CD-RW Volume2: High Speed, Part 3 CD-RW Volume 3: Ultra Speed

Supported transfer mode: PIO mode 4, DMA mode 2 and Ultra DMA mode 4



Specification

	Write	
	DVD+R	22X
	DVD-R	22X
	DVD+R9	8X
	DVD-R9	8X
DVD Family	DVD-RAM	12X
	ReWrite	
	DVD+RW	8X
	DVD-RW	6X
	Read	16X
	Access time	160ms
	Write	
	CD-R	48X
CD Family	ReWrite	
	CD-RW	32X
	Read	48X
	Access time	140ms
Buffer Size	2MB (MAX)	
	Pentium 166 MHz or higher CPU and 128MB or higher RAM are required.	
PC Required	HDD must have access time < 20ms; with a minimum of 650MB free space.	
	9GB free space for creating a DVD image file (9GB for double layer; 5GB for single layer).	
Compatibility	MS 2000/ XP/ Vista	
MTBF (Life)	70000POH	
S/N Ration	> 75dB	
	Environment	
	Operating	5°C to 50°C; Relative Humidity: 15% to 80%
	Non-Operating	-40°C to 65°C; Relative Humidity: 15% to 95%
	Dimension	145(W) x 41.3(H) x 170(D) mm
General	Weight	< 0.9Kg
	Voltage Requirements	
	+5V +/-5% and less than 100 mVp-p ripple voltage	
	+12V +/-5% and less than 200 mVp-p ripple voltage	



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