

Features**SATA Super AllWrite****DH-24AESH/ iHAS324/ iHAS124****E**

- ★ SATA interface, 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
- ★ Fast access time and high data transfer rate, could be vertical mounted
- ★ Seamless Link ® Smart Monitoring & Adapting Recording Technology for Burning
- ★ 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(4.7G), DVD-R multi-borders, DVD-R9, DVD+R / DVD+R9 single/multi sessions, DVD-RW, DVD+RW and DVD-RAM discs
- ★ 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)once , Part 3 CD-RW Volume2: High Speed, Part 3 CD-RW Volume 3: Ultra Speed. Support Fixed packet, Variable packet, Disc-at-once, Session-at-once and Track-at-once
- ★ Supported transfer mode: PIO mode 4, DMA mode 2 and Ultra DMA mode 5
- ★ Serial ATA Revision 2.6, ATA-8, MMC-6, SFF-8090 V7, and IMAPI compliant
- ★ ACPI compliant for power saving

Specifications⊙ **DVD Family :****Write**

DVD+R	24X maximum by CAV
DVD-R	24X maximum by CAV
DVD+R9	8 maximum by CAV
DVD-R9	8 maximum by CAV
DVD-RAM	6X maximum by CLV

ReWrite

DVD+RW	8X maximum by Zone CLV
DVD-RW	6X maximum by Zone CLV

Read DVDROM

SL:16X maximum by CAV ; DL 12X maximum by CAV

Rand. Access Time

SL 160 ms/ DL 180 ms

⊙ **CD Family :****Write**

CD-R	48X by CAV
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ReWrite

CD-RW	24X maximum by Z-CLV in UltraSpeed disc
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Read

CD-ROM	48X maximum by CAV
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Rand. Access Time

140ms

⊙ **Buffer Size :**

0.75MB (MAX)

⊙ **PC Required :**

1GHz or faster CPU recommended.

Windows 8 requires SSE2, PAE and NX-bit Support

1GB RAM and 16GB free disk space required under 32-bit OS (2GB RAM and 20GB space under 64-bit OS) for creating DVD Disc.

Available SATA port required.

⊙ **Compatibility :**

DOS 6.xx, Windows 8 / Windows 7 / XP / 2003 / Vista and Linux operating system

⊙ **MTBF(Life) :**

70000 POH at 25% duty cycle in room temp.

⊙ **S/N Ration :**

>75dB

⊙ **Environment :**

Operating 5°C to 50°C ; Relative Humidity: 20% to 80%

Non-Operating -40°C to 65°C ; Relative Humidity: 5% to 95%

⊙ **Dimension :**

146(W) x 41.3(H) x 170(D) (+/- 0.5 mm)

⊙ **Weight :**

<0.9 Kg