LITEON
www.liteonit.com

22x12x8x /22x12x6x/12x + 48x24x48x

Features	SATA Super AllWrite	iHAS122

★ **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	22X maximum by CAV
	DVD-R	22X maximum by CAV
	DVD+R9	12 maximum by CAV
	DVD-R9	12 maximum by CAV
	DVD-RAM	6X maximum by CLV

ReWrite

	DVD+RW	8X maximum by CLV
	DVD-RW	6X maximum by CLV
Read		16X maximum by CAV
Rand. Access Time		SL 160 ms/ DL 180 ms

◎ **CD Family :**

Write

	CD-R	48X by CAV

ReWrite

	CD-RW	24X maximum by Z-CLV in UltraSpeed disc
Read		48X maximum by CAV
Rand. Access Time		140ms

◎ **Applicable Formats :**
CD-DA, CD-TEXT, CD ROM Mode-1, CD-ROM/XA Mode-2 Form-1 and Form-2,
CD-I Ready, Video-CD, Photo-CD, Enhance CD, CD extra, UDF (fixed/variable Packet mode)
DVD-ROM, DVD-Video, DVD-Audio, DVD-R/DVD-R9 single/multi border(s),
DVD+R/DVD+R9 single/multi session(s), DVD-RW, DVD+RW, DVD-RAM

◎ **Buffer Size :** 0.5MB(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
9GB free space for creating a DVD image file (9GB for double layer; 5GB for single layer)

◎ **Compatibility :** DOS 6.xx, Windows 10 / Windows 8 / Windows 7 / Windows Server and Linux operating system

◎ **MTBF(Life) :** 70000 POH at 25% duty cycle in room temp.

◎ **S/N Ration :** >75dB

◎ **Environment :**
Operating 5℃ to 50℃; Relative Humidity: 20% to 80%
Non-Opera -40℃ to 65℃; Relative Humidity: 5% to 95%

◎ **Dimension :** 146(W) x 41.3(H) x 170(D) (+/- 0.5 mm)

◎ **Weight :** <0.9 Kg