

Hermes Series

Rugged Metal 2.5" MLC SATA SSD (Solid-State-Disk)



Benefits of SSD

- MLC NAND flash memory
- No moving parts
- High reliability
- No seeking time
- No rotational latency
- Short booting-up time
- High resistance to shock and vibration
- Low power consumption
- No heat after long time operating

APRO Hermes Series SATA SSDs are 100% compatible to traditional hard disk drives (HDD). Further these offer technology based benefits to the user like resistance against shock and vibration, lower power consumption, no acoustic noise, no heat emission and an outstanding performance of up to 154.4MB/sec. The standard 2.5" form-factor and the SATA interface ensure electronic and mechanical compatibility, as the metal casing design enables APRO SSDs to endure also in harsh environments.

Hermes Series

Rugged Metal 2.5" MLC SATA SSD (Solid-State-Disk)

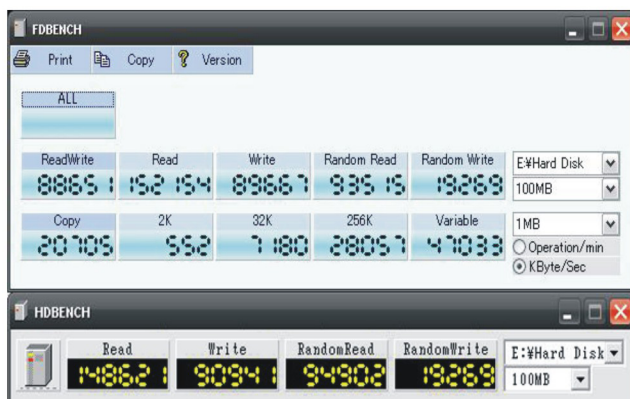


SPECIFICATIONS

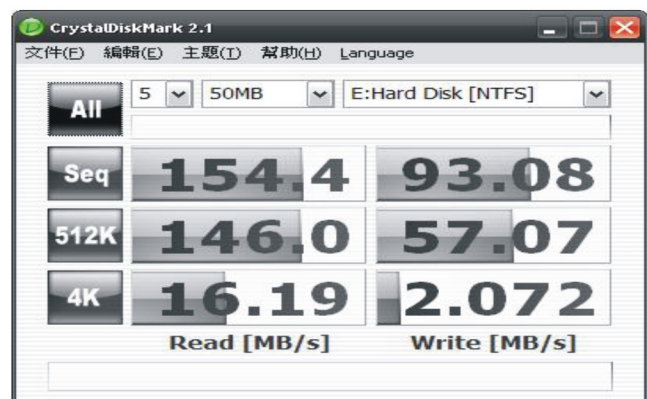
Compatibility	✦ SATA 1.0a and SATA 2.6 specification compliance.
Form-factor	✦ Rugged Metal 2.5" SATA hard disk drive.
Weight (max.)	✦ 115g ± 5g / 4.06 oz.
Dimension(W x L x H)	✦ 69.85 x 100.20 x 9.50 (mm).
Host Interface	✦ SATA 7-pin (data pins) + 15-pin (5V power input pins).
Power requirement	✦ +5V ± 10%.
Reading mode	✦ 300mA (Max.).
Writing mode	✦ 420mA (Max.).
Sleeping mode	✦ 220mA (Max.).
Performance	✦ Read: 154.4 MB/sec (Max.) / Write: 93.1 MB/sec (Max.).
Average access time	✦ 0.2ms (estimated).
Operating temperature	✦ 0°C ~ 70°C
Non-Operating temperature	✦ -20°C ~ 80°C
Vibration	✦ 15G.
Shock	✦ 1500G.
Wear-leveling	✦ Static wear-leveling algorithms.
MTBF	✦ > 1,000,000 hours.
ECC	✦ 6-bits per 512bytes block.
Endurance	✦ Endurance Management enables five years minimal useful life.

PERFORMANCE

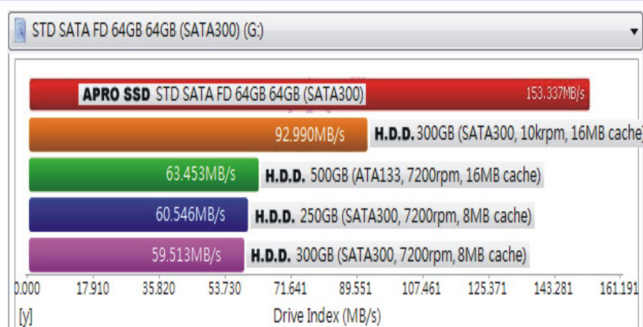
FDBENCH MARK / HDBENCH MARK



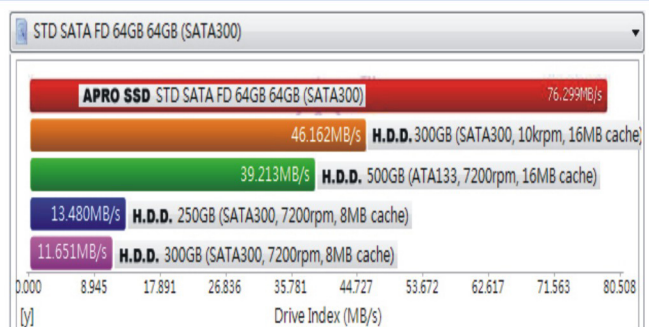
CrystalDiskMark



SiSoftware Sandra test Read Speed (MB/s.)



SiSoftware Sandra test Write Speed (MB/s.)



I/O per second test_ Maximum IO processor

512bytes Random Read	Total I/Os per Second	All Managers	5403.26	10000
				>
512bytes Random Write	Total I/Os per Second	All Managers	481.39	1000
				>