MINERVA

CB949MB Converter Card

Performance & Burn In Test   Rev. 1.0

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CB949MB / IDE 2.5" 44pin SSD to SATA

1. Overview

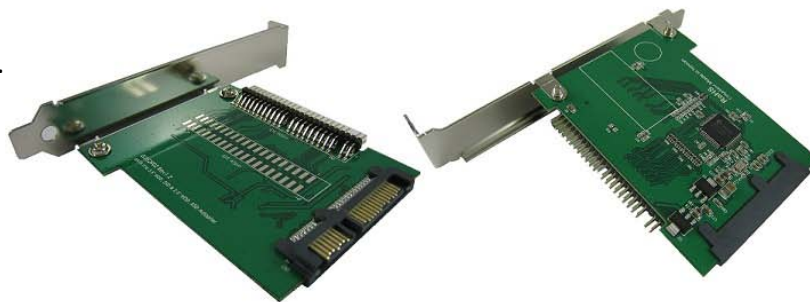CB949MB adapter card provides IDE 44pin connector. It supports IDE 2.5" SSD to SATA 7+15pin interface.

2. Tools and Results of Performance Measurement

2.1 Test Platform
   M/B :   GIGABYTE **GA-X58A-UD3R**
   CPU :   Intel **i7-930,** 2.8MHz/ 8G Cache/ 4.8GT
   Memory :   Kingston **KVR1333D3N9/2G,** 1333MHz,2G Byte DIMM*2
   ATX Power : TC START W500, **500W ATX**,12V V2.2 Power Supplier
   Graphic :   Asus NVIDIA, **Geforce 210**
   OS :   Microsoft **Windows 7 64bit OS**

2.2 Test target: CB949MB adapter and used IDE 2.5" SSD

2.

CB949MB Top Side   CB949MB Bottom Side   Kingspec 64G IDE SSD

Hardware
The use of two-terminal female 44pin cable. Plug one end into KingSpec 64G/ KSD-PA25.6-064MS SSD, the other end into CB949MB 2.5" IDE 44pin connector. Connect CB949MB converter to SATA port of GA-X58A-UD3R motherboard.
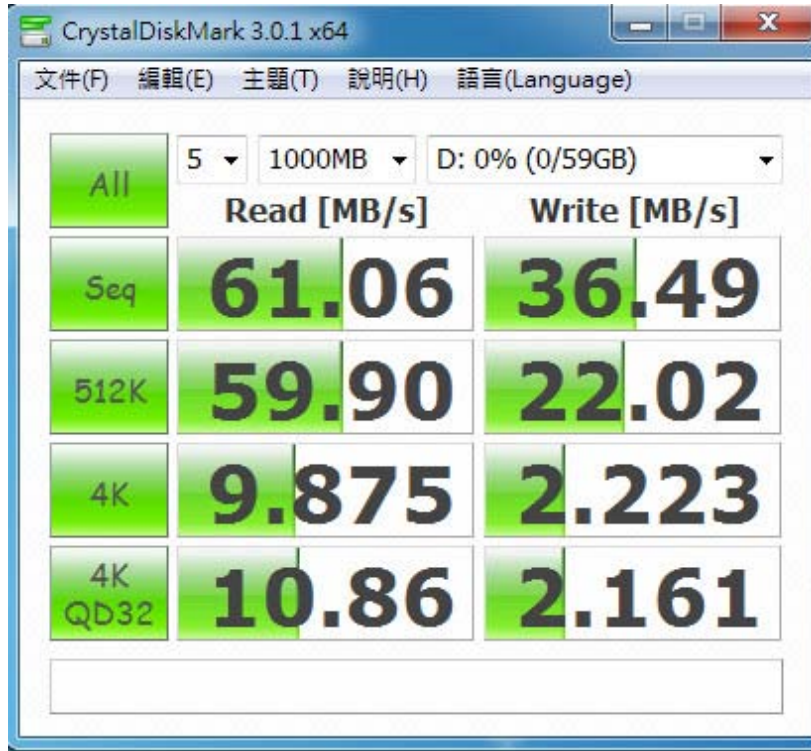
2.4 BIOS & Windows 7 OS environment setup
   2.4.1   In BIOS(Basic Input/Output Setup) – Change AHCI Mode into IDE Mode
   2.4.2   In Windows 7, formatted SSD to NTFS Mode. Don't install any program.

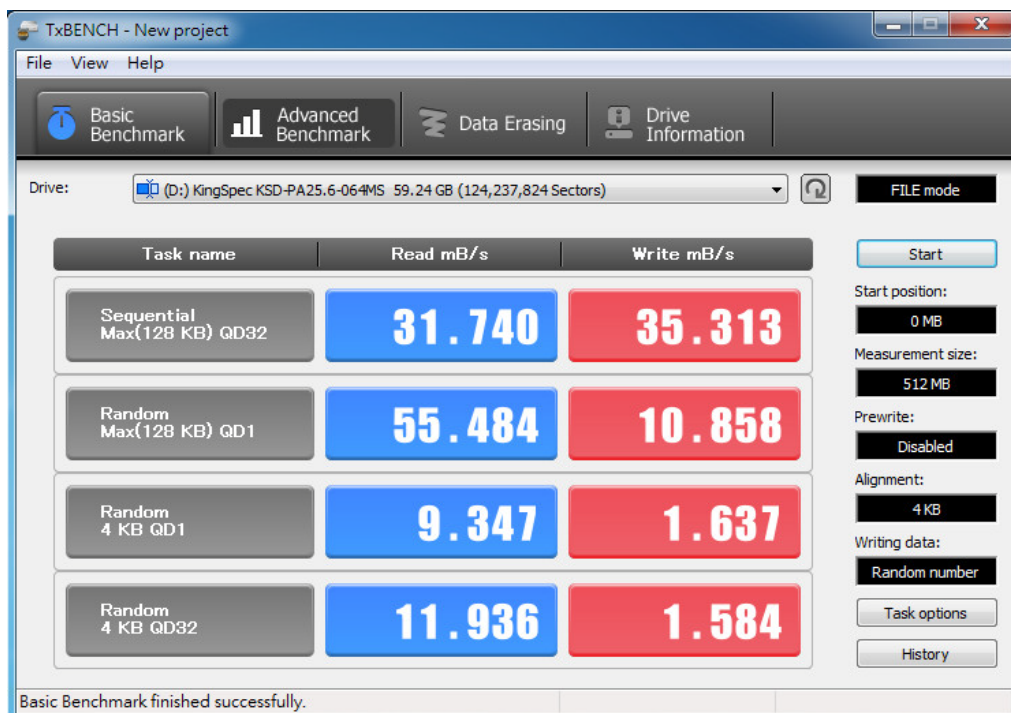2.5   CrystalDiskMark 3.0.1 x64 performance test

　　　　※Benchmark (Sequential Read & Write / default = 1MB)

　　　　2.5.1　　Used KingSpec 64G/KSD-PA25.6-064MS performance as below:

2.6　TxBENCH Benchmark 0.95 Beta performance

　　　　2.6.1　　Used KingSpec 64G/KSD-PA25.6-064MS performance as below:
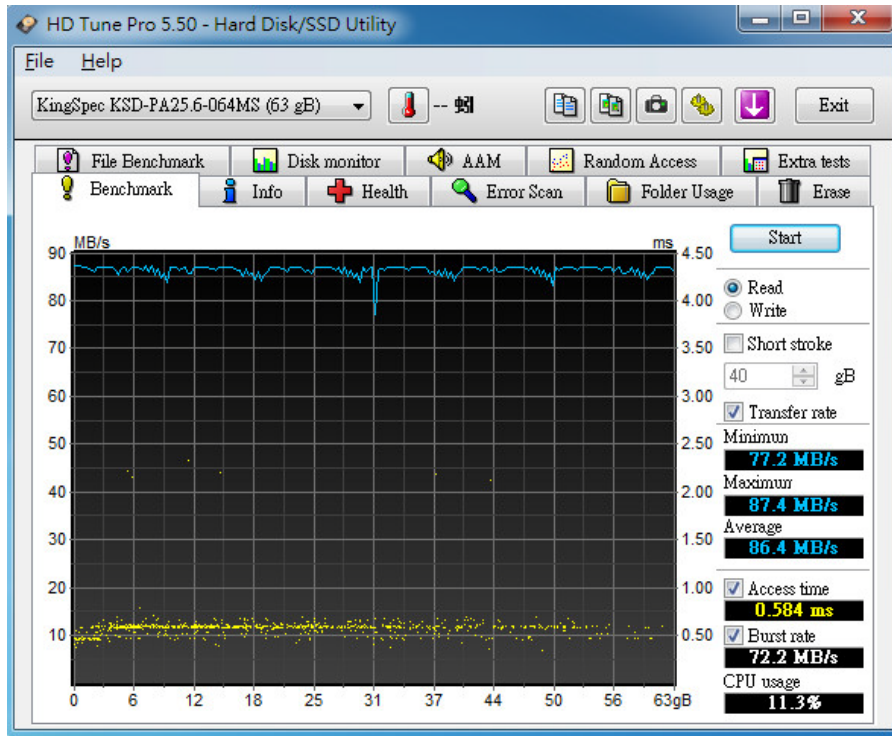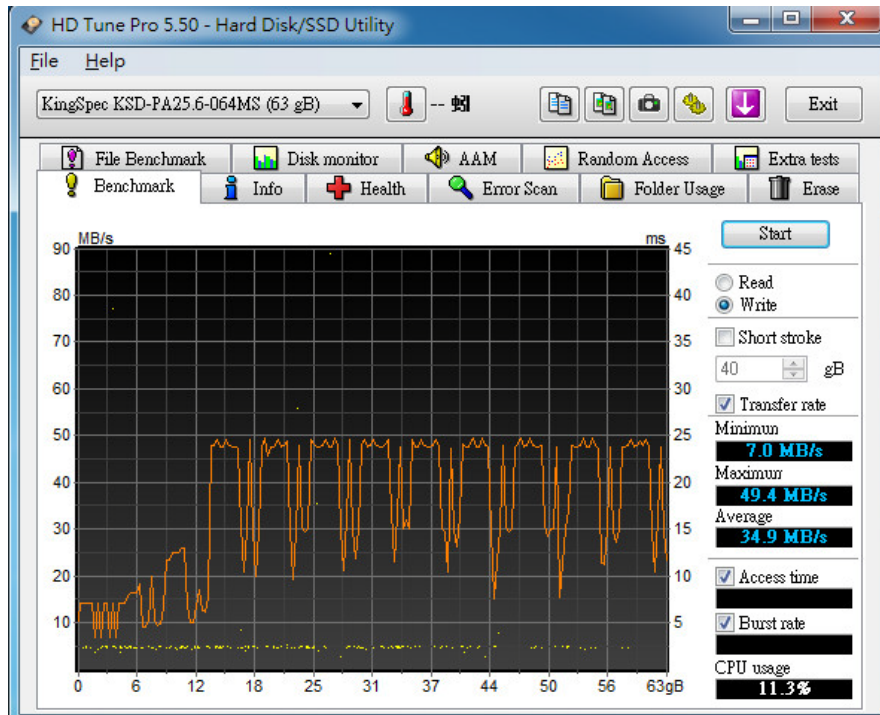
CB949MB / IDE 2.5" 44pin SSD to SATA

2.7 HD Tune pro 5.5 performance test

　※Benchmark (Sequential Read & Write/ default block size = 8MB)

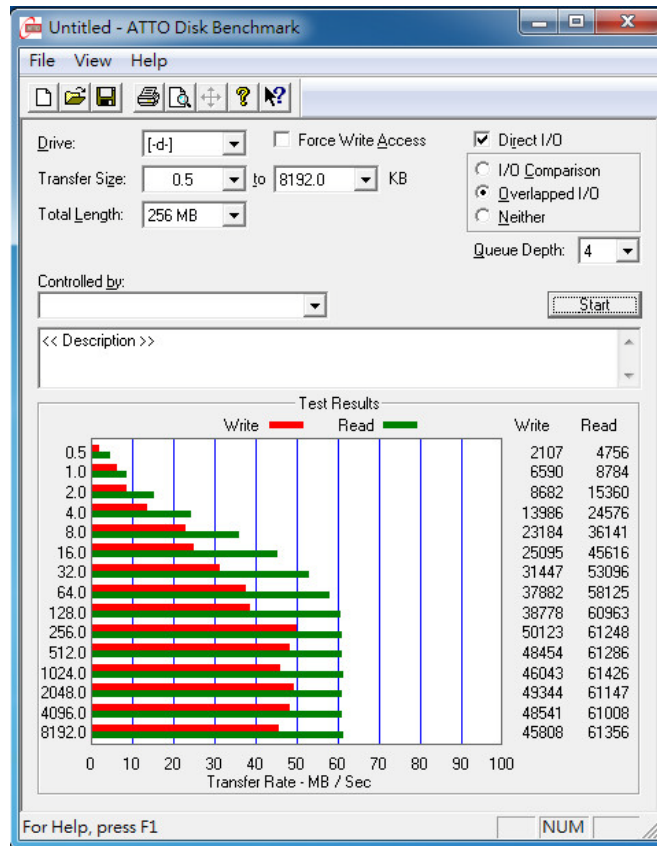　2.7.1　Used KingSpec 64G Formatted sequential Read performance as below:

2.7.2　Used KingSpec 64G unformatted sequential l Write performance as below:

2.8 ATTO Disk BenchMark

  2.8.1 Used KingSpec 64G/KSD-PA25.6-064MS performance as below:

2.9 AnvilBenchmark performance test

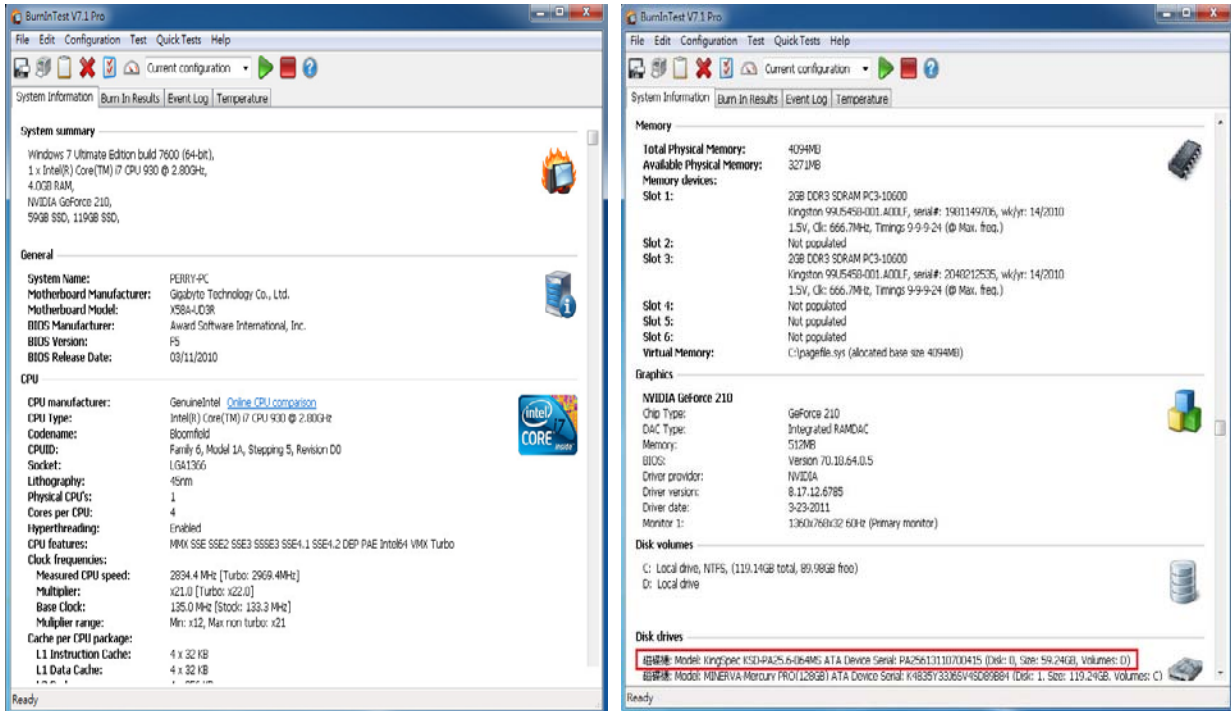 2.9.1   Used KingSpec 64G/KSD-PA25.6-064MS performance as below:
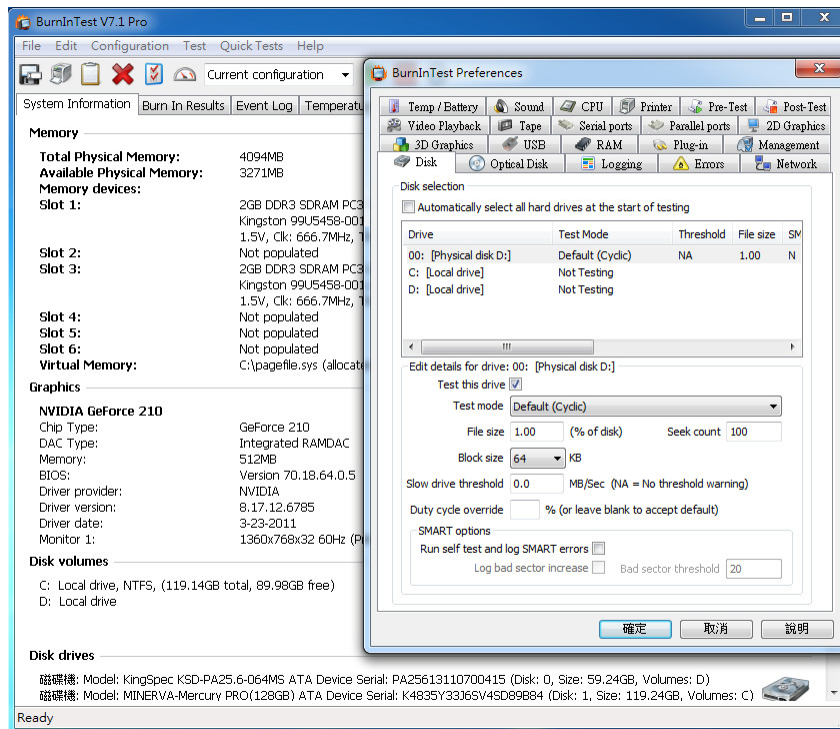
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Burn In Tests and Results

3.1   BurnInTest v7.1 Pro

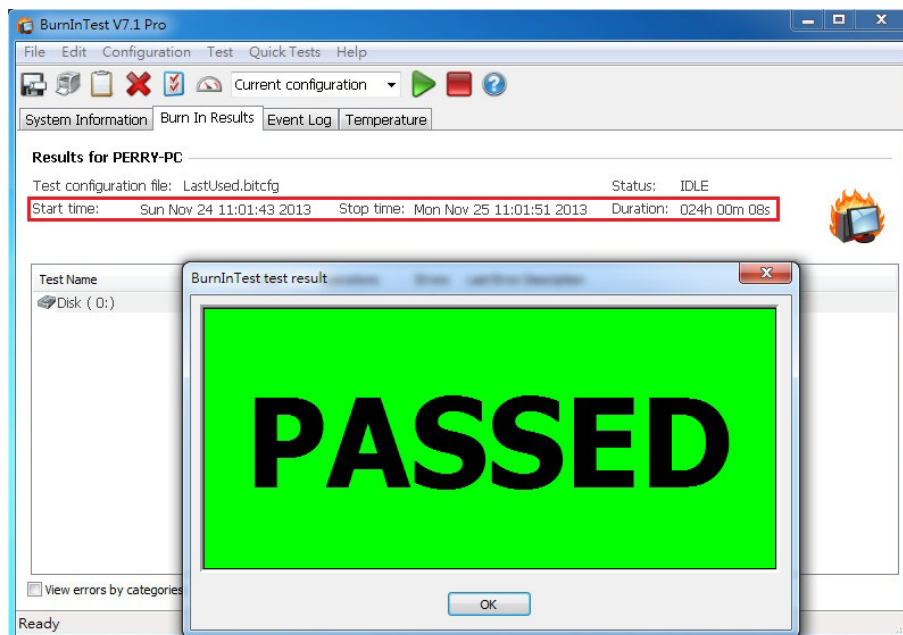#### 3.1.1   **system information** for KingSpec 64G/KSD-PA25.6-064MS as below:

3.1.2   show Disk test mode(default cyclic -- 10 ways cycle test)

3.1.3 show KingSpec 64G/KSD-PA25.6-064MS 24-hour Burn-in test PASSED

4. Summary

IDE 2.5" SSD is PATA Interface, Current spec I/O speed, max. to 133MB/s.

I/O performance of CB949MB adapter is based on IDE 2.5" SSD