



## AS403A / Rev1.0 Converter Card

---

### Performance & Burn In Test Rev. 1.0

#### Table of Contents

---

- 1. Overview**
- 2. Performance Measurement Tools and Results**
  - 2.1 Test Platform
  - 2.2 Test target and Used M.2 NGFF SSD
  - 2.3 Install Hardware
  - 2.4 BIOS & Windows 8.1 OS environment setup
  - 2.5 CrystalDiskMark 5.0.2 x64 performance test
  - 2.6 AS SSD Benchmark 1.8 performance test
  - 2.7 ATTO Disk Benchamrk 2.47 performance test
  - 2.8 AnvilBenchmark\_V110\_B337 Benchmark performance test
- 3. Burn In Tests and Results**
  - 3.1 BurnInTestv8.1 Pro burn in test
- 4. Summary**

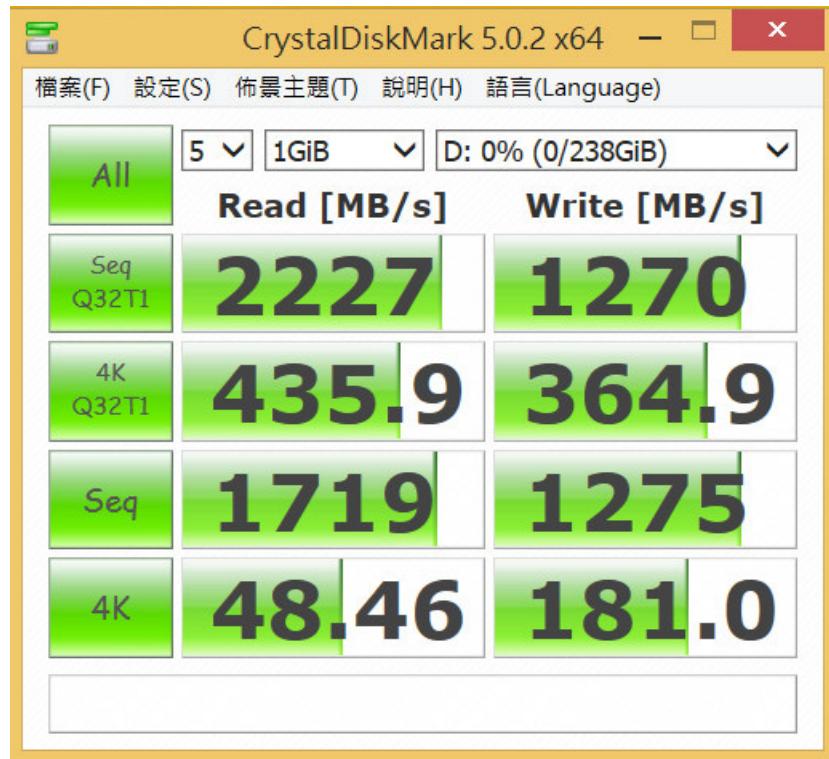


# AS403A/Rev1.0 Converter Card

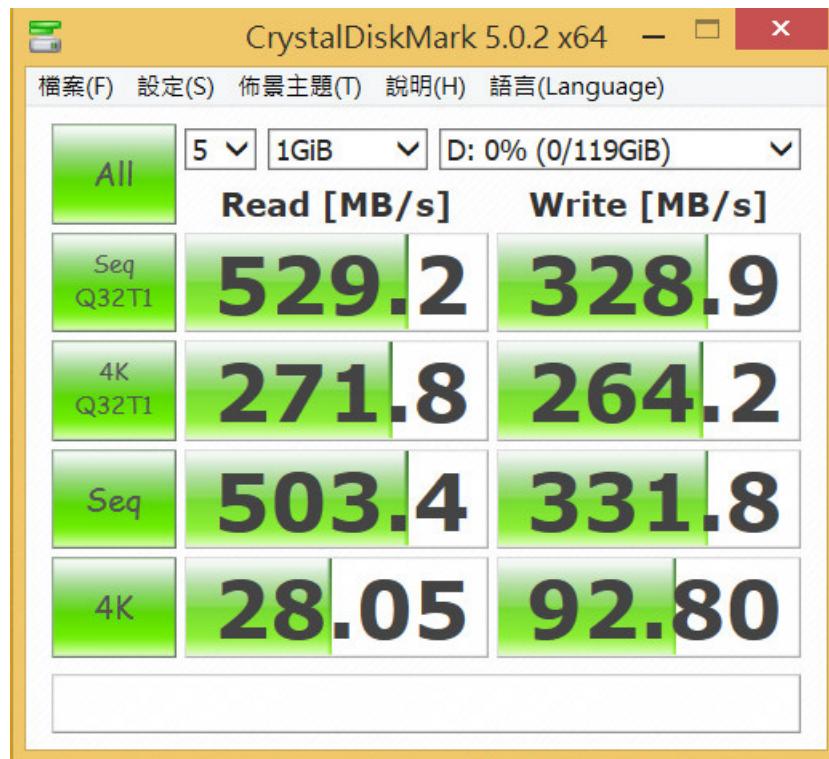
## 2.5 CrystalDiskMark 3.0.1 x64 performance test

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

2.5.1 Used Samsung [SM951 256GB AHCI MZHPV256HDGL](#) performance as below:



2.5.2 Used LITE-ON 128GB([LGT-128M6G](#))performance as below:



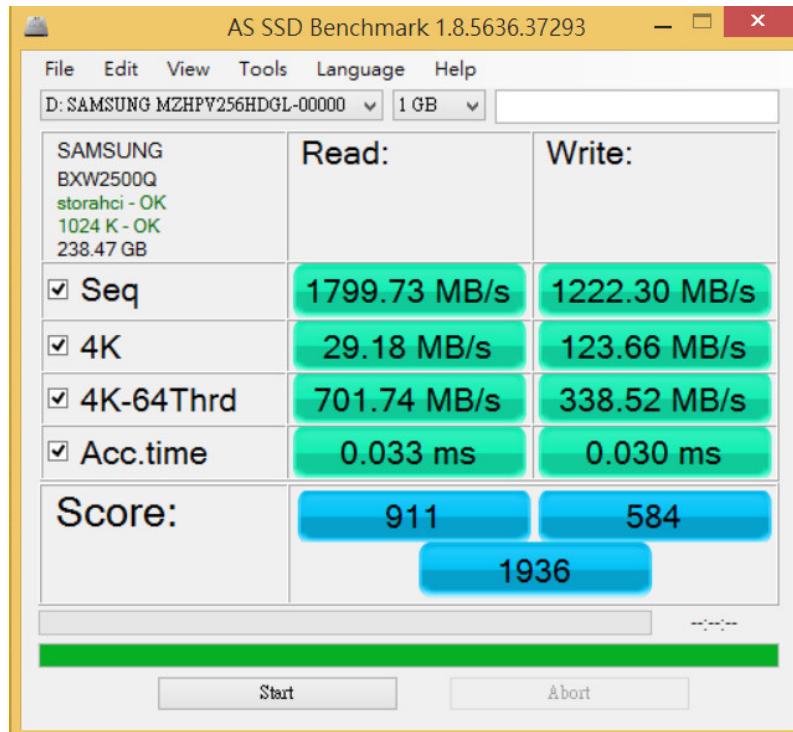
# AS403A/Rev1.0 Converter Card

---

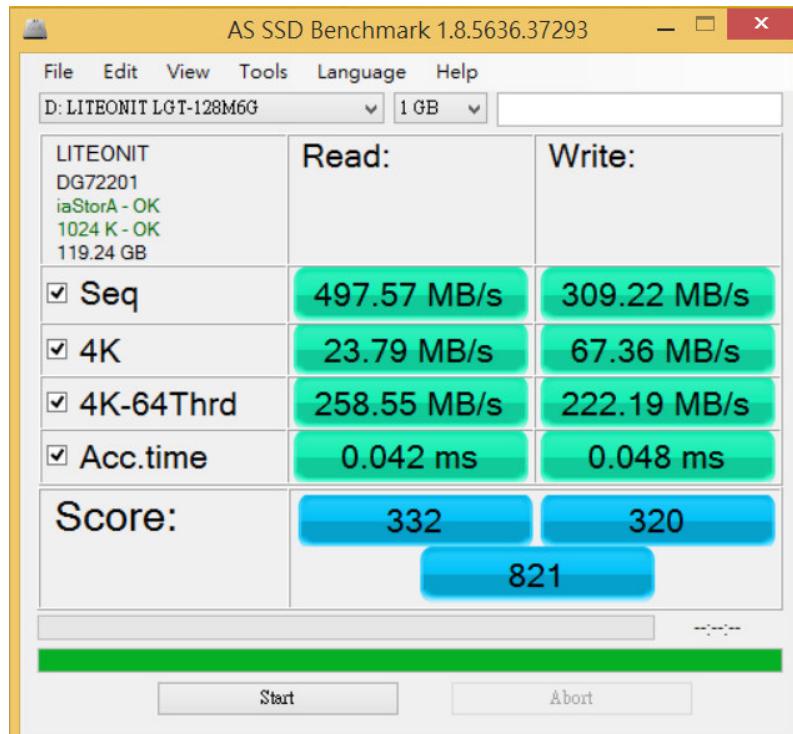
## 2.6 AS SSD Benchmark 1.8 performance test

※Benchmark ([Read & Write](#) by MB/s, default block size = **16MB**)

2.6.1 Used Samsung [SM951 256GB AHCI MZHPV256HDGL](#) performance as below:



2.6.2 Used LITE-ON 128GB([LGT-128M6G](#))performance as below:







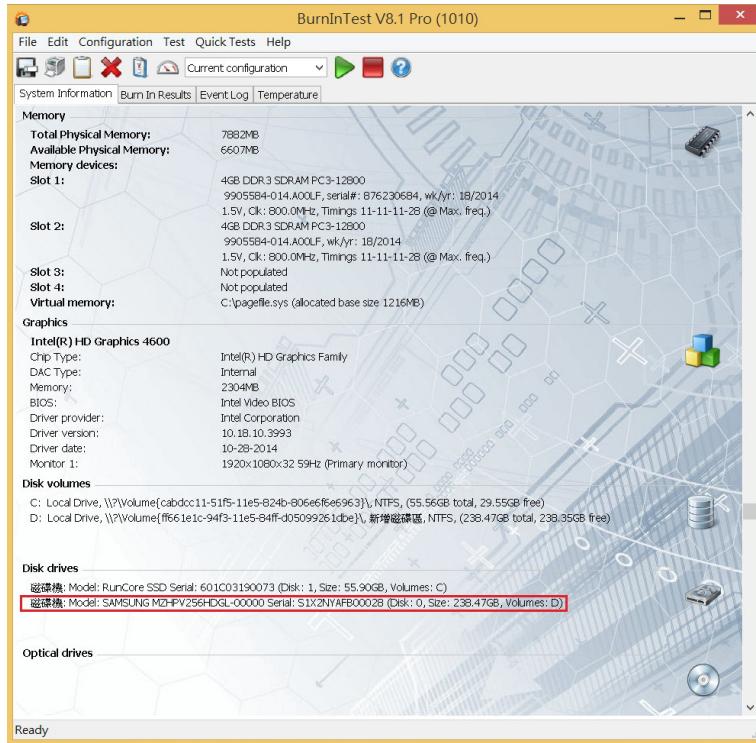
# AS403A/Rev1.0 Converter Card

## 3. Burn In Tests and Results

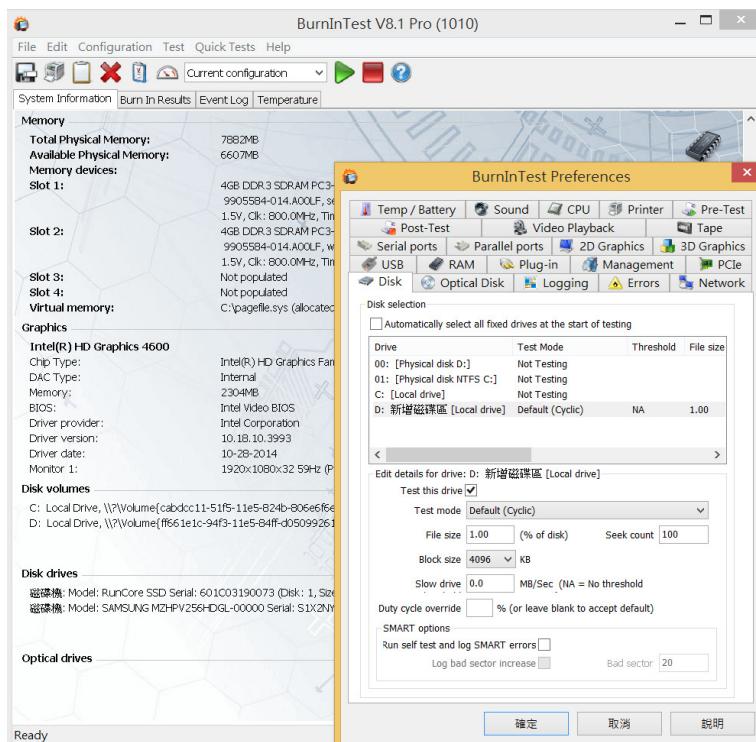
### 3.1 BurnInTest v8.1 Pro

Used in Samsung **MZHPV256HDGL**

#### 3.1.1 system information as below:

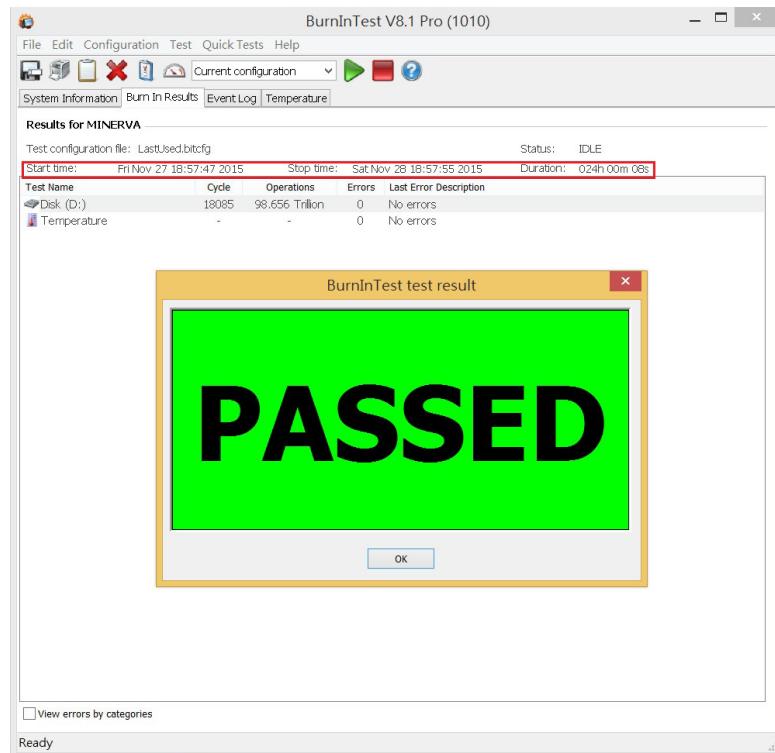


#### 3.1.2 show Disk test mode( 10 ways cycle test)



# AS403A/Rev1.0 Converter Card

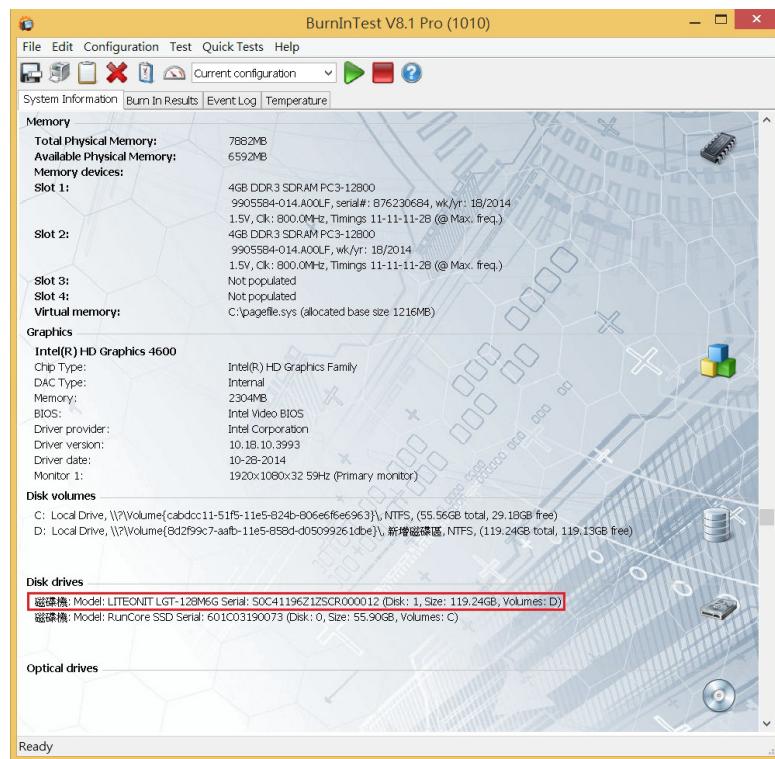
## 3.1.3 show 24-hour Burn-in test PASSED



## 3.2 BurnInTest v8.1 Pro

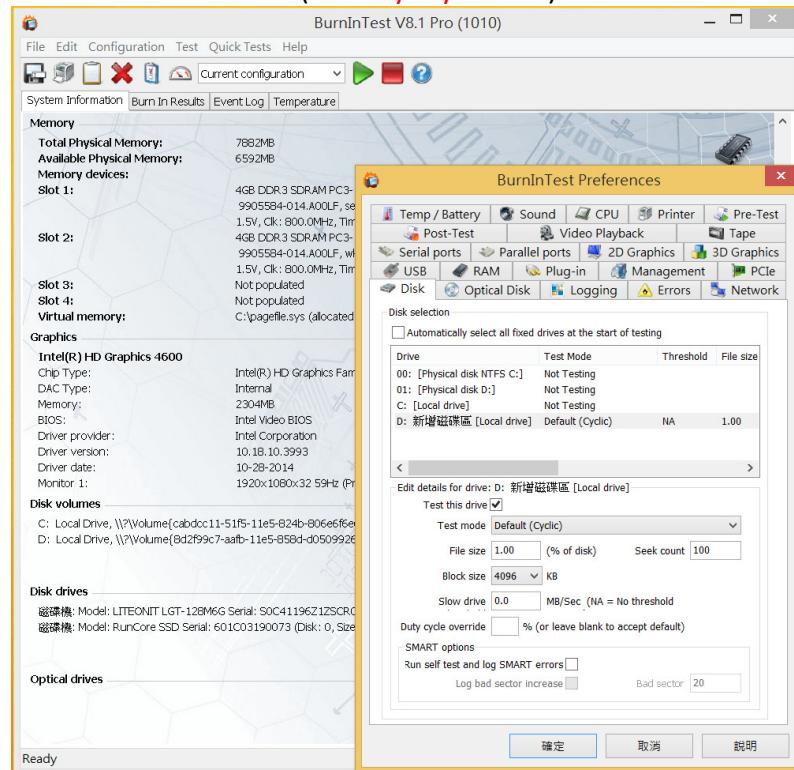
Used in LITE-ON 128GB([LGT-128M6G](#))

### 3.2.1 system information as below:

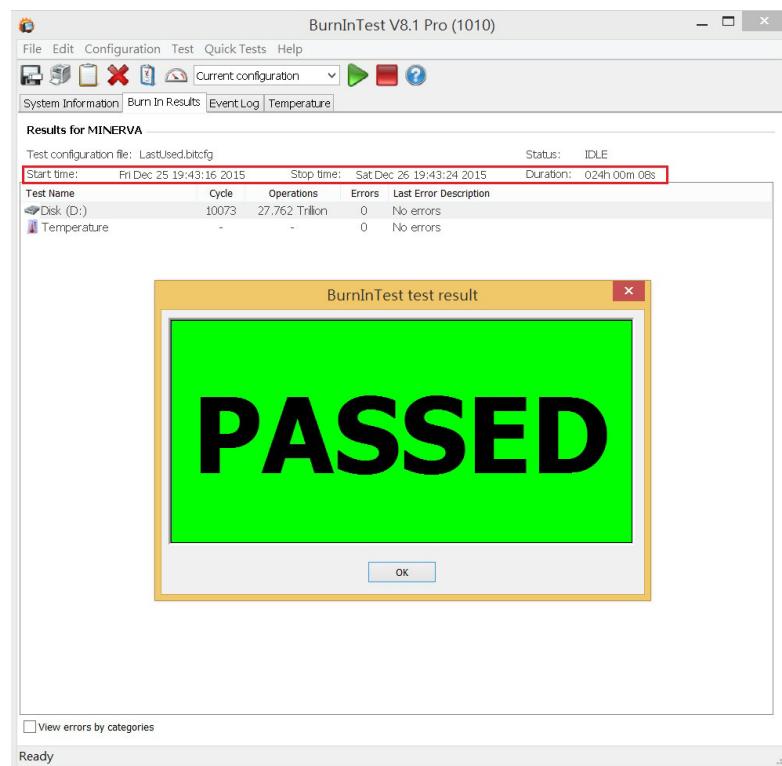


# AS403A/Rev1.0 Converter Card

## 3.2.2 show Disk test mode( 10 ways cycle test)



## 3.3.3 show 24-hour Burn-in test PASSED



# **AS403A/Rev1.0 Converter Card**

---

## **4. Summary**

- 4.1 M.2(PCI-e I/F) SSD is PCI-e Gen 3 / 4 Lane Interface, I/O speed, max. to 3,200MB/s.
- 4.2 M.2(SATA I/F) SSD is SATA III Interface, I/O speed, max. to 600MB/s.
- 4.3 AS403A adapter I/O performance is based on M.2 NGFF SSD.