

**USB2.0 PANDA DU (G2) 16GB / 32GB
ITE1179+SDK 3D TLC
Flash Test Report**

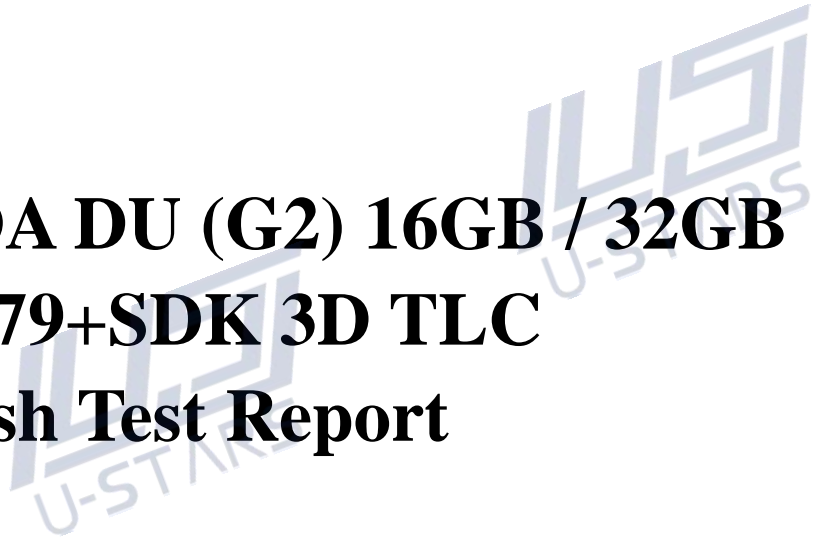


Table of Contents

1. TEST CONDITION	3
1.1 SYSTEM CONFIGURATION	3
1.2 PLATFORM INFORMATION	3
2. PERFORMANCE TEST	4
2.1 HD BENCH TEST VER.3.4003 (TEST SIZE=1000MB)	4
2.2 ATTO DISK BENCHMARK V2.10 (TOTAL LENGTH = 1GB).....	4
2.3 CRYSTALDISKMARK3.0.1 (TOTAL LENGTH = 1000MB)	5
3. RELIABILITY TEST	6
3.1 BURN IN TEST	6
3.2 H2TESTW V1.4	6
3.3 H5 TEST	6
3.4 DATA RETENTION TEST	7

1. Test Condition

1.1 System Configuration

Flash Part No	SDK / TOSHIBA
Flash number	1
Test Date	2020/04/30
Controller	ITE 1179
FW Version	1.0.4.3
MP Tool Version	20200430
Form Factor	PCBA
SD Spec	2.0
Capacity	16GB /32GB
Notes	

1.2 Platform Information

Win 7

Operation System	Windows Win 7	M/B	
CPU	Intel® G3900 2.80GHz	Chipset	Intel 7
DRAM	4.00GB	Card Reader	

Win XP

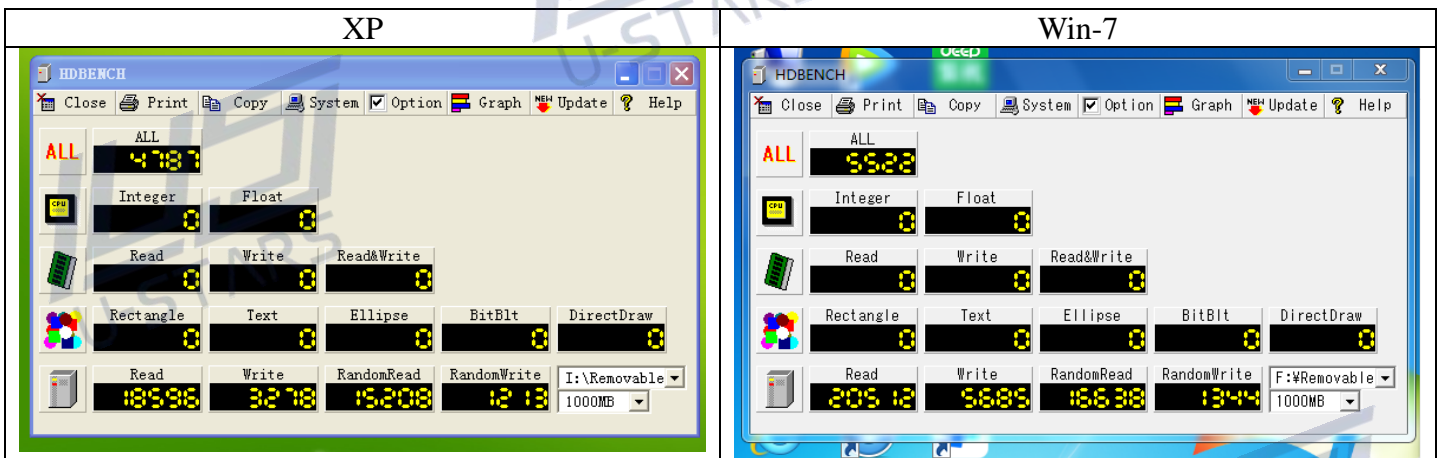
Operation System	Windows Win XP	M/B	
CPU	AMD A6-3420M 793MHZ	Chipset	Intel 7
DRAM	2.74 GB	Card Reader	

2. Performance Test

2.1 HD Bench Test Ver.3.4003 (Test size=1000MB)

Note: Test via Windows format (FAT16 of <4GB, FAT32>4GB)

Platform	Host Interface	Seq. Read (KB/Sec)	Seq. Write (KB/Sec)	Ran. Read (KB/Sec)	Ran. Write (KB/Sec)
XP	USB 2.0	18596	3278	15208	1213
Win7	USB 2.0	20512	5685	16638	1344



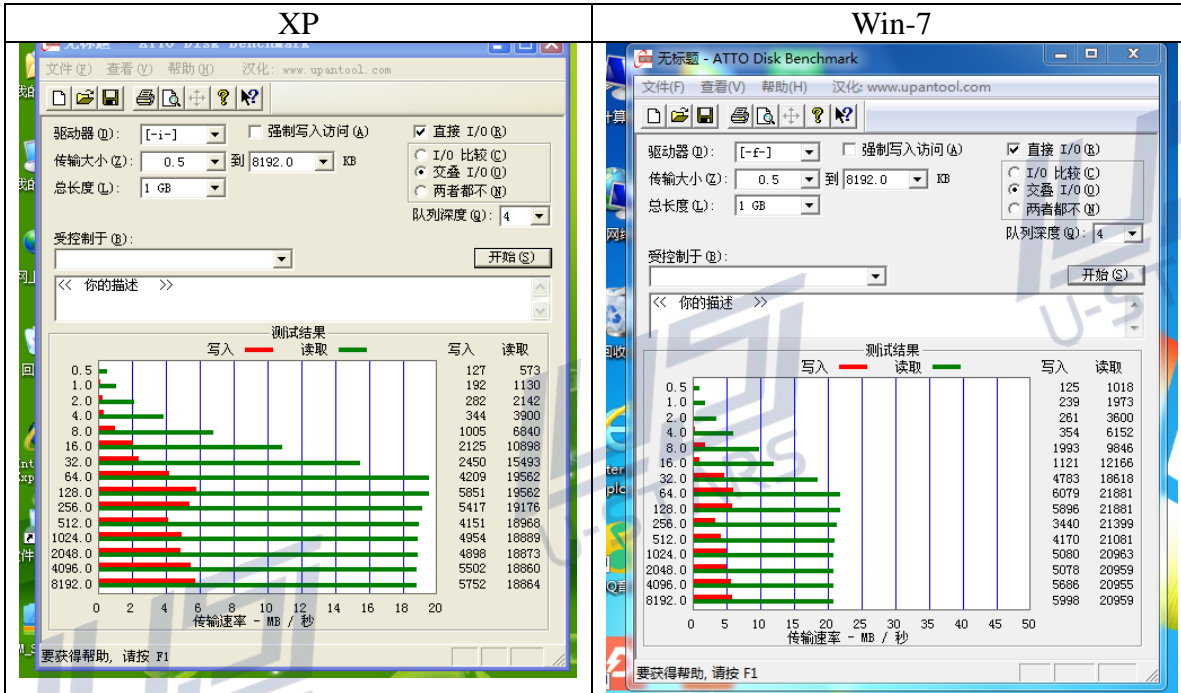
Test Result

2.2 ATTO Disk Benchmark V2.47 (Total Length = 1GB)

Note: Test via Windows format (FAT16 of <4GB, FAT32>4GB)

Test Result

Platform	Host Interface	Read (KB/Sec)	Write (KB/Sec)
XP	USB 2.0	18864	5752
Win 7	USB 2.0	20959	5998

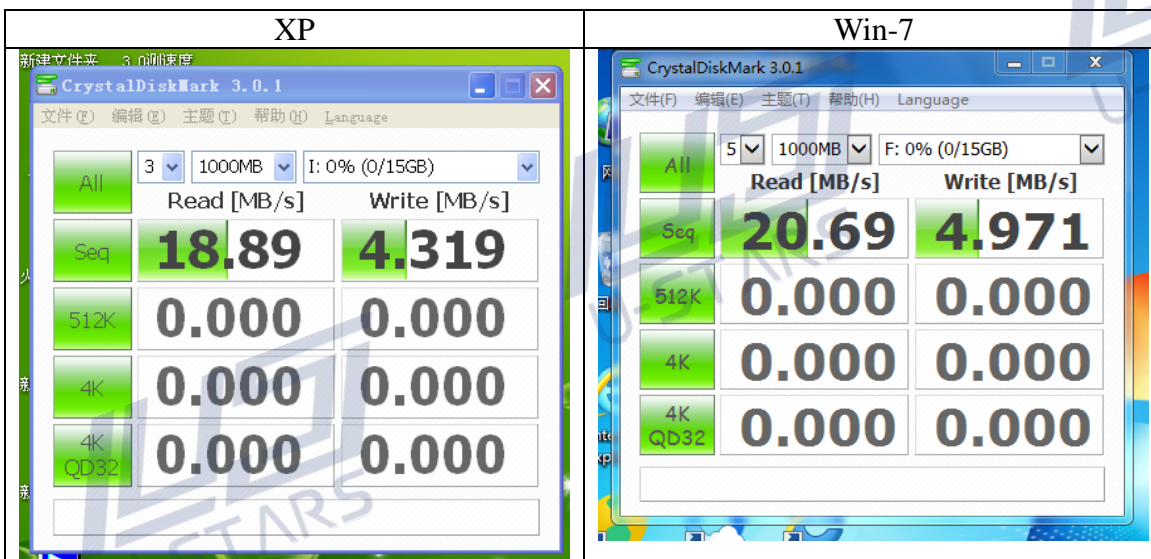


2.3 CrystalDiskMark 3.0.1 (Total Length = 1000MB)

Note: Test via Windows format (FAT16 of <4GB, FAT32>4GB)

Test Result

Platform	Host Interface	Seq. Read (MB/Sec)	Seq. Write (MB/Sec)
XP	USB 2.0	18.89	4.319
Win 7	USB 2.0	20.69	4.971



3. Reliability Test

3.1 Burn In Test

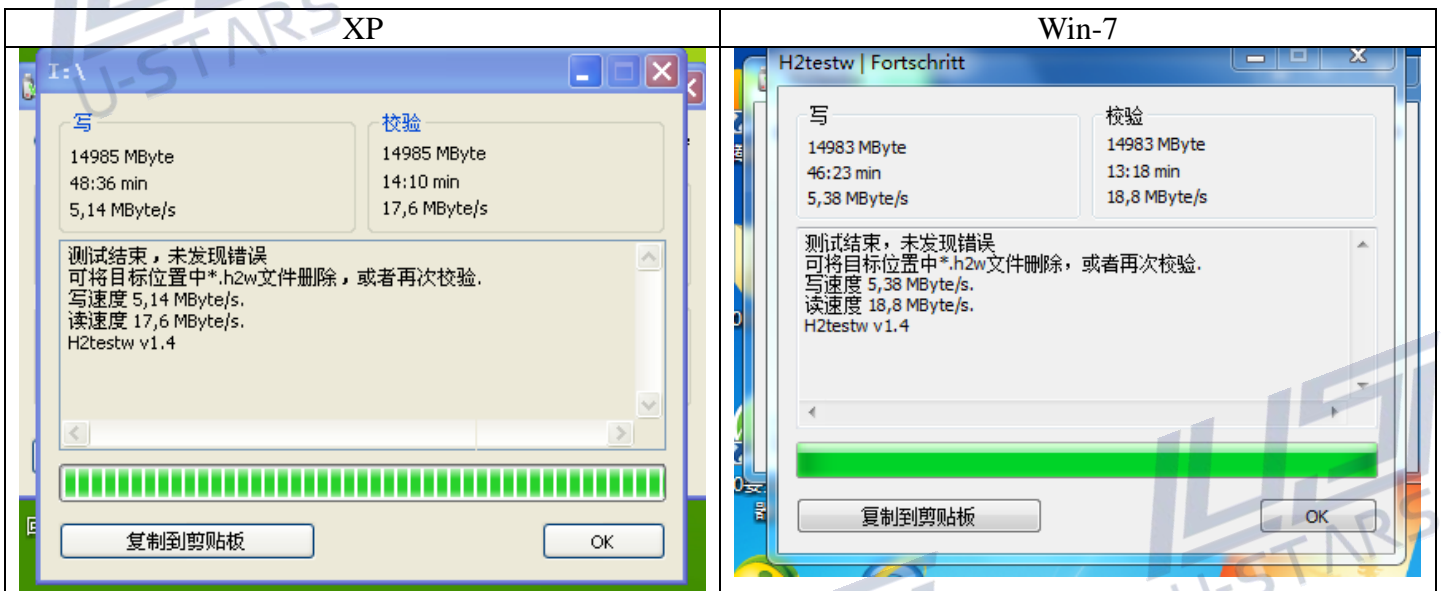
Burn-In Time: **72 HR**

Test Item	Test Result
Burn in V7.1	-

3.2 H2Testw V1.4

Test Result

Platform	Host Interface	Read(MB/s)	Write(MB/s)	Test Result
XP	USB 2.0	17.6	5.14	PASS
Win 7	USB 2.0	18.8	5.38	PASS



3.3 H5 Test

Test Result

Machine	Quantity	Test Result
U-Reach	500PCS	PASS

3.4 Data Retention Test

Test Result

Temperature	Quantity	Test Date	Test Result
25 °C	10PCS	3 Days later	PASS
	10PCS	7 Days later	PASS
100 °C	10PCS	13 Hours	-

