

USB2.0 UDP / MUDP (COB / MICROCOB)
16GB
AU6989+SDK / TOSHIBA 3D TLC
Flash Test Report



U-STAR² TECHNOLOGY CO., LIMITED
USB 2.0 UDP / MUDP (COB / MICROCOB) 16GB
AU6989+SDK / TOSHIBA FLASH Test Report

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1. Test Condition

1.1 System Configuration

Flash Part No	SDK / TOSHIBA
Flash number	1
Test Date	2020/04/30
Controller	AU6989
FW Version	Ver 20.07.01.00
MP Tool Version	V20.07.01.00
Form Factor	UDP / MUDP (COB / MICRO COB)
SD Spec	2.0
Capacity	16GB
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	

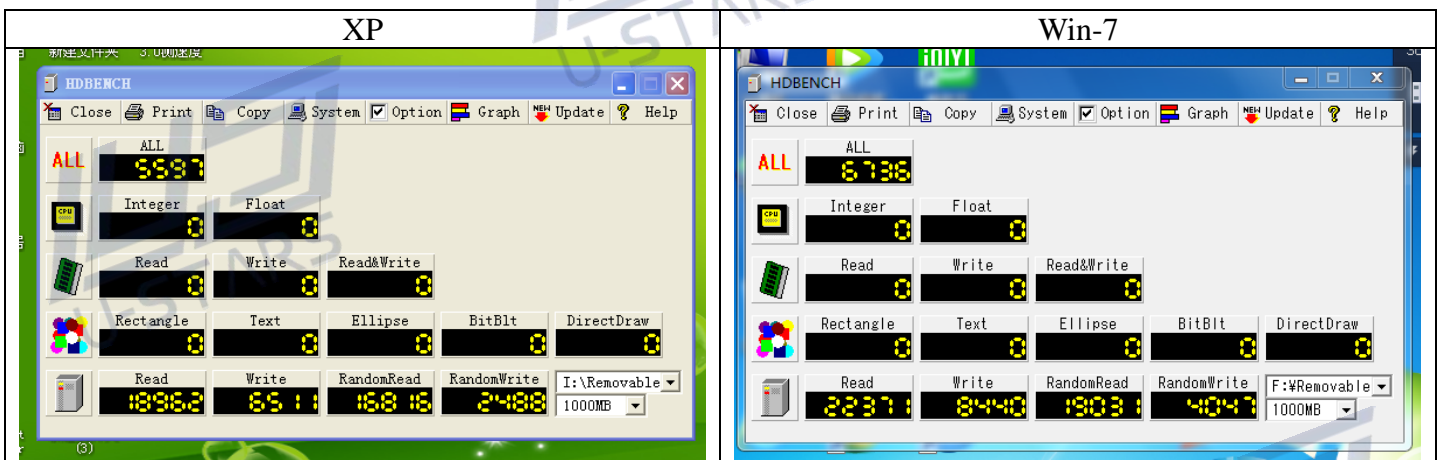
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2. Performance Test

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	18962	6511	16816	2488
Win7	USB 2.0	22371	8440	19031	4047



Test Result

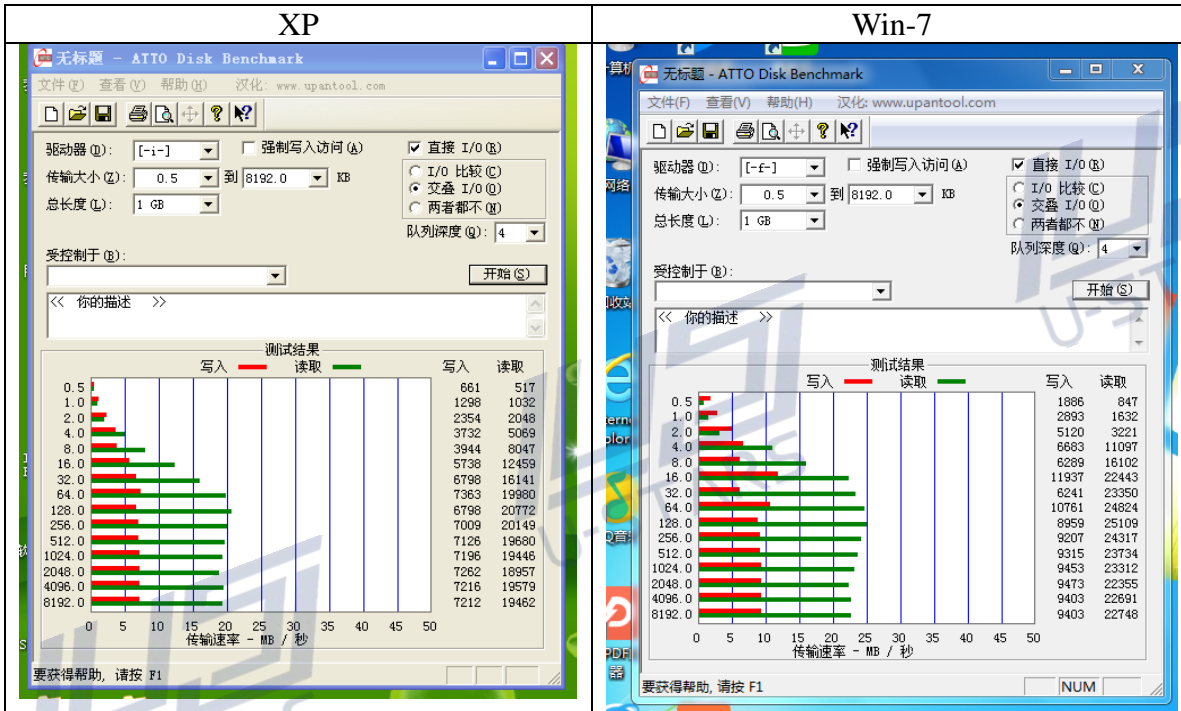
2.2 ATTO Disk Benchmark V2.47 (Total Length = 1GB)

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	19462	7212
Win 7	USB 2.0	22748	9403

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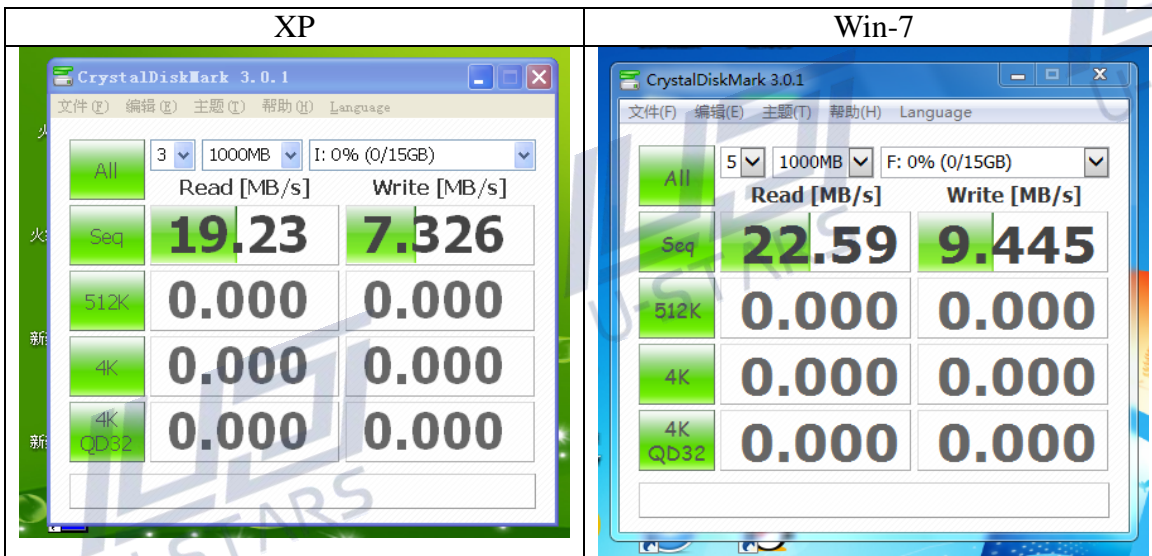


2.3 CrystalDiskMark 3.0.1 (Total Length = 1000MB)

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	19.23	7.326
Win 7	USB 2.0	22.59	9.445



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3. Reliability Test

3.1 Burn In Test

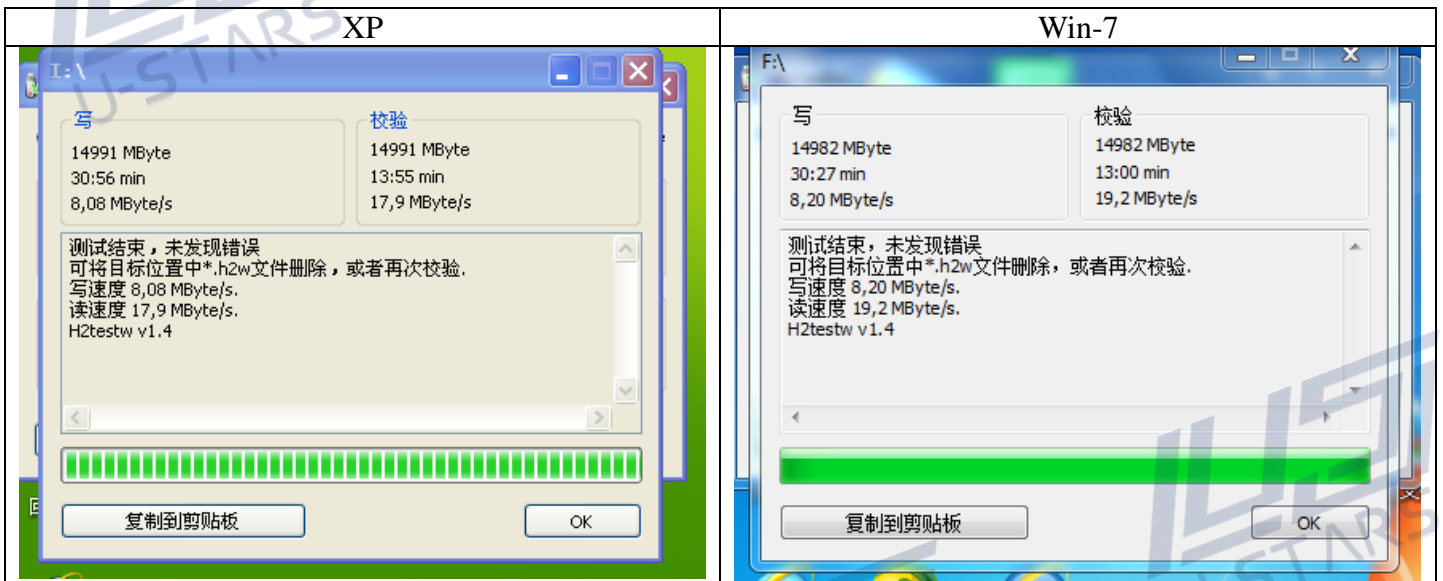
Burn-In Time: **72 HR**

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	17.9	8.08	PASS
Win 7	USB 2.0	19.2	8.20	PASS



3.3 H5 Test

Test Result

Machine	Quantity	Test Result
U-Reach	500PCS	PASS

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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	-

