

**USB3.0 PANDA DU (G2) 16GB / 32GB
IS918+SDK 3D TLC
Flash Test Report**

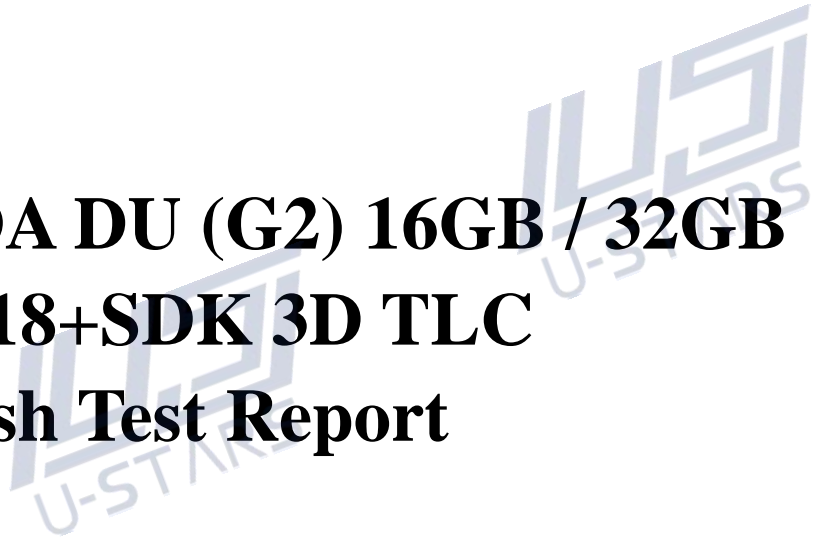


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1. Test Condition

1.1 System Configuration

Flash Part No	SDK / TOSHIBA
Flash number	1
Test Date	2020/04/30
Controller	IS918
FW Version	Version 1.1
MP Tool Version	IS918MPTool_191214A
Form Factor	PCBA
SD Spec	3.0
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 10

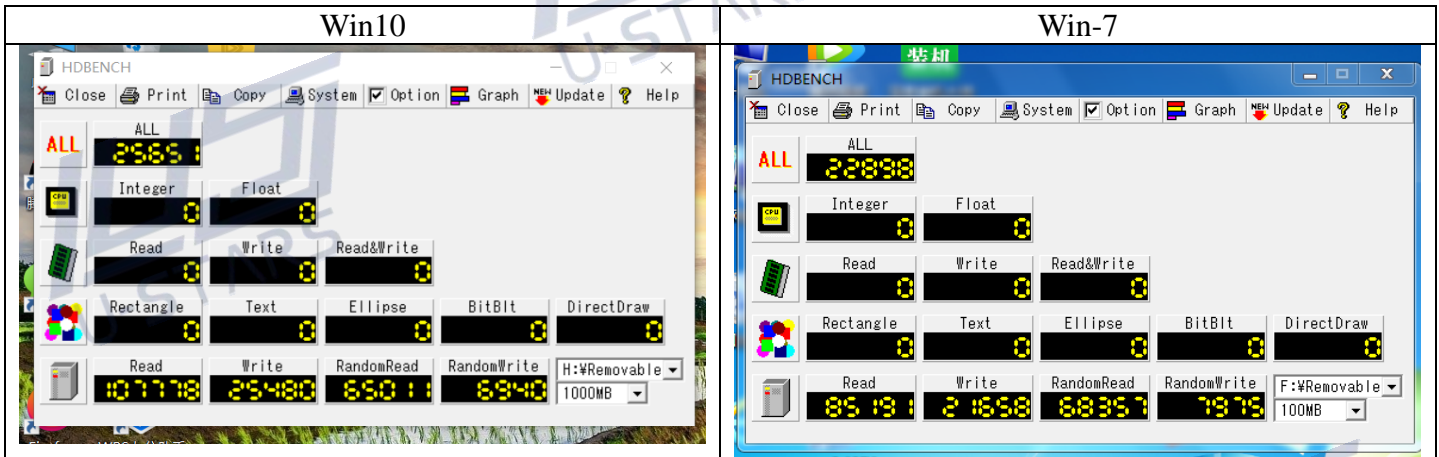
Operation System	Windows Win 10	M/B	
CPU	Intel®i 7-6500U 2.60GHz	Chipset	Intel 7
DRAM	16 GB	Card Reader	

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)
Win10	USB 3.0	107778	25480	65011	6940
Win7	USB 3.0	85191	21658	68357	7975



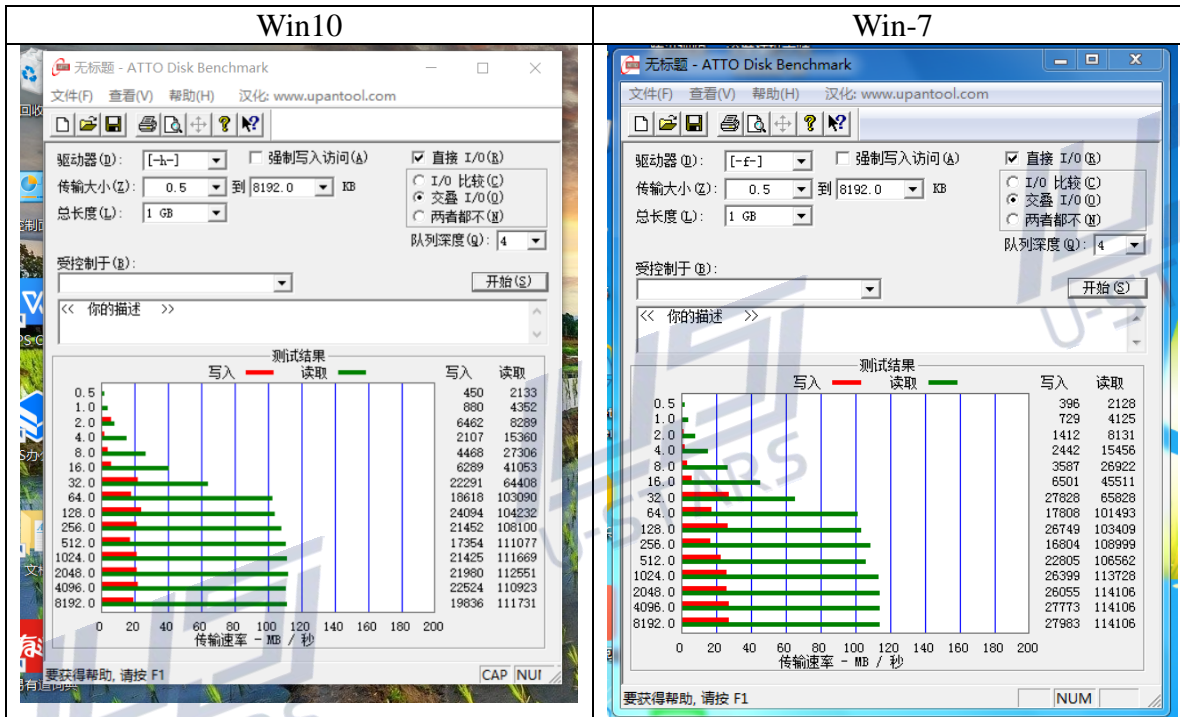
Test Result

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)
Win10	USB 3.0	111731	19836
Win 7	USB 3.0	114106	27893

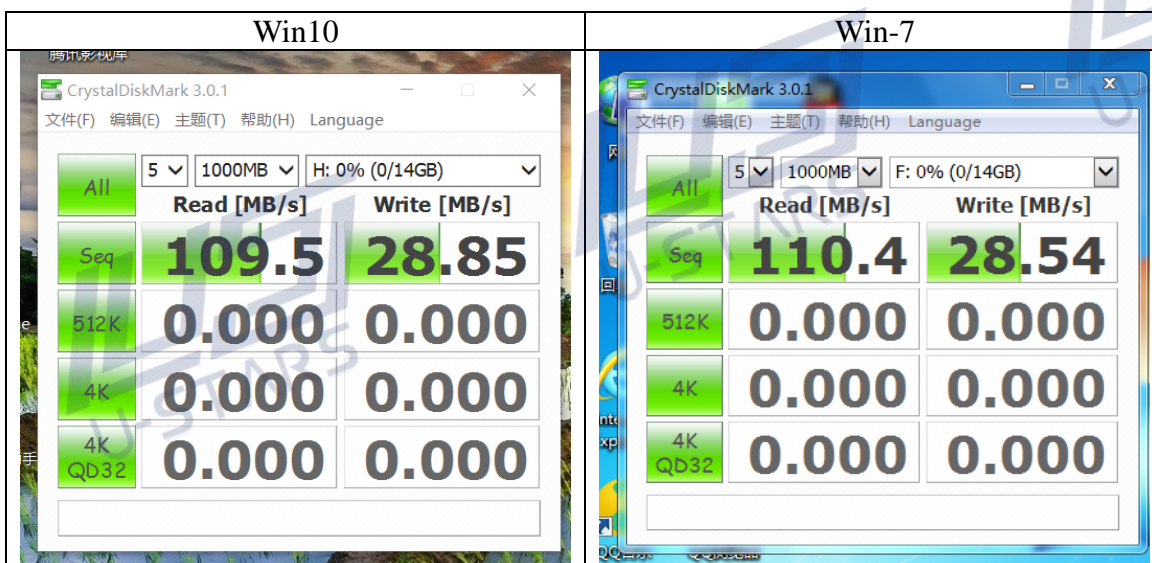


2.3 CrystalDiskMark 3.0.1 (Total Length = 1000MB)

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

Test Result

Platform	Host Interface	Seq. Read (MB/Sec)	Seq. Write (MB/Sec)
Win10	USB 3.0	109.5	28.85
Win 7	USB 3.0	110.4	28.54



3. Reliability Test

3.1 Burn In Test

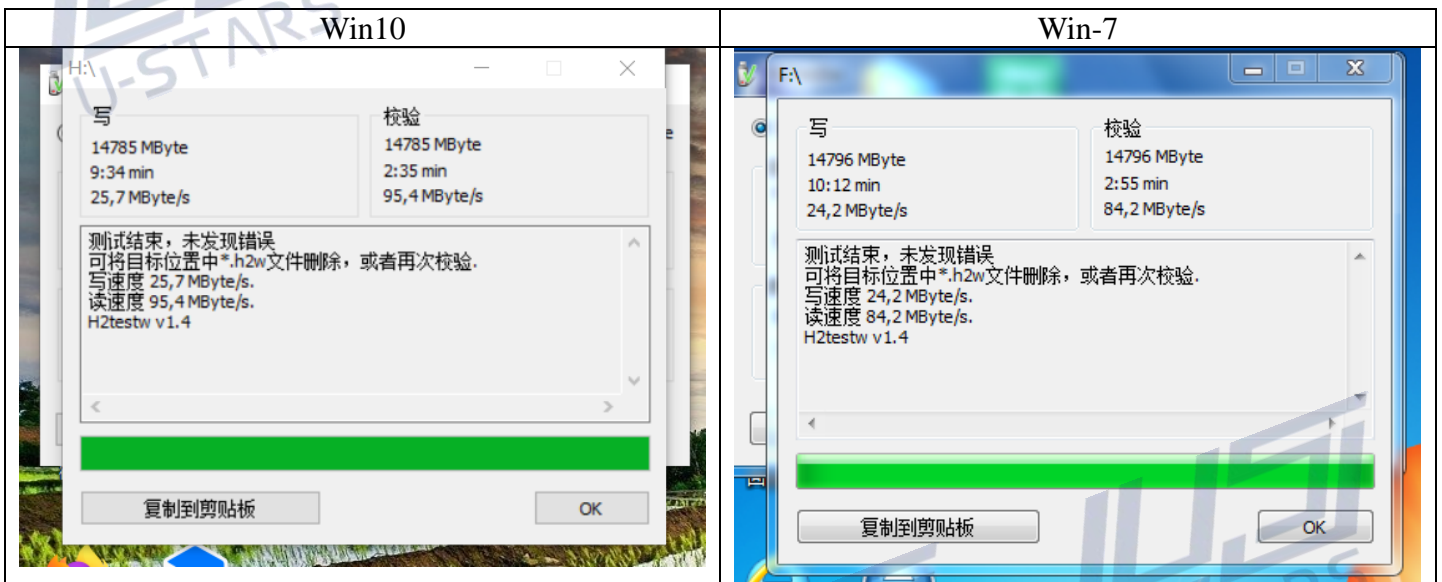
Burn-In Time: **72 HR**

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
Win10	USB 3.0	95.4	25.7	PASS
Win 7	USB 3.0	84.2	24.2	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	-

