



5. Performance test

- HDBench Ver.3.4 Beta 6

Test condition: (Test size = 100MB)

- WinSAT (Only for Windows Vista)

Test condition:

For random read test command :

Winsat disk -read -ran -ransize 4096 -drive "disk drive"

For random write test command :

Winsat disk -write -ran -ransize 524288 -drive "disk drive"

5.1 Test Result

Test Platform List

NO.	Motherboard/Chipset Model	CPU/DRAM:	USB Host	System
54	K9NU Neo-v / NVIDIA M1697	AMDAM2 Sempron2800+/64bit / 512MB	USB 2.0	Desktop

Test Item	R/W Mode	CF SanDisk Extremelv (UDMA4) 2GB	CF SanDisk Extreme III (P206) 1GB	CF Lexar 133X Professional 1 GB		
HDBench XP SP2	Seq. Read	30476	18775	16844		
	Seq.l Write	21069	16588	12202		
	Ran. Read	30055	18882	16423		
	Ran. Write	6818	4291	3328		
HDBench Vista	Seq. Read	23315	18669	16631		
	Seq.l Write	20800	16886	12068		
	Ran. Read	23156	18249	16300		
	Ran. Write	6769	4214	3303		
HDBench 2K SP4	Seq. Read	30759	19158	17198		
	Seq.l Write	21626	18302	15905		
	Ran. Read	30622	18775	16889		

Test Item	R/W Mode	MS Duo Pro SanDisk Extreme III (SDMSPDH-1024) 1GB	MS Duo Pro SanDisk SDMSG-512 512MB	MS Duo Pro SONY MSX-MIGST 1GB		
HDBench XP SP2	Seq. Read	16139	16339	10940		
	Seq.l Write	14214	6994	5362		
	Ran. Read	15419	15419	9722		
	Ran. Write	4322	2191	1172		
HDBench Vista	Seq. Read	16179	16339	10976		
	Seq.l Write	14307	6919	5380		
	Ran. Read	15238	15345	9594		
	Ran. Write	4305	2177	1173		
HDBench 2K SP4	Seq. Read	16886	17018	10939		
	Seq.l Write	16674	7209	10191		
	Ran. Read	15564	15676	9839		
	Ran. Write	4357	2190	1182		
WinSAT	Ran. Read	11.06	4.02	6.79		
	Ran. Write	5.05	4.80	4.04		

Test Item	R/W Mode	SD APACER150X 2GB	SD PANASONIC 4GB (FAT32)	SD SanDisk EXREME III 1GB		
HDBench XP SP2	Seq. Read	18826	10552	19501		
	Seq.l Write	16339	7619	17332		
	Ran. Read	18830	9794	18882		
	Ran. Write	1205	2141	5375		
HDBench Vista	Seq. Read	19386	10569	20102		
	Seq.l Write	16715	7673	18050		
	Ran. Read	18614	9780	18826		
	Ran. Write	1204	2140	5411		
HDBench 2K SP4	Seq. Read	19677	10707	20410		
	Seq.l Write	17018	8737	18775		
	Ran. Read	18882	10035	19215		
	Ran. Write	1214	3050	5420		
WinSAT	Ran. Read	7.33	3.35	11.80		

Test Item	R/W Mode	MMC Transcend 1GB	MMC SAMSUNG 64MB			
HDBench XP SP2	Seq. Read	5773	6686			
	Seq.l Write	2459	3859			
	Ran. Read	5601	6578			
	Ran. Write	517	1159			
HDBench Vista	Seq. Read	5773	6686			
	Seq.l Write	2454	3809			
	Ran. Read	5596	6539			
	Ran. Write	517	1161			
HDBench 2K SP4	Seq. Read	5804	6811			
	Seq.l Write	5688	4299			
	Ran. Read	5673	6658			
	Ran. Write	519	1497			
WinSAT	Ran. Read	3.33	N/A			
	Ran. Write	3.45	N/A			