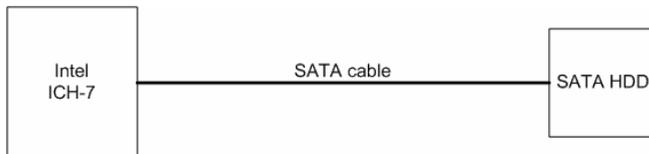


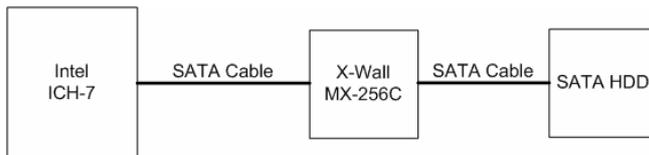
■ **Test Configurations**

Mother Board	ASUS P5PL2-TAYZ
CPU	Intel® Celeron® D 2.66GHz
X-Wall model	X-Wall MX-256C, AES 256-bit under CBC mode of operation
Memory	512MB(DDR-II)
HDD	Maxtor 6V160E0, 160GB, SATA-II 3.0G
OS	Windows XP Professional with SP1
SATA Host	Intel ICH-7, SATA 3.0Gbit

Configuration 1: Test the HDD performance



Configuration 2: Test the HD performance with X-Wall MX-256



■ **Functional Test**

	Without X-Wall MX-256C	With X-Wall MX-256C
BIOS HDD Detection	Pass	Pass
Windows XP Installation	Pass	Pass
Solaris 10 Installation	Pass	Fail (Pass in By-pass mode)
Red Hat Linux Enterprise AS 4 Installation	Fail	Fail
Linux Fedora (Free edition) Installation	Fail	Fail

■ **Test Programs (under windows XP)**

- PCMark 2002
- SiSoftware Sandra 2004
- ATTO Disk Benchmark

■ **Performance Test Result (under Windows XP)**

➤ **PCMark 2002**

	Without X-Wall MX-256C	With X-Wall MX-256C

Score		1699	1640
Cache Write	MB/s	44.3	42.7
Uncache Write	MB/s	61.0	60.4
Cache Read	MB/s	60.1	58.6
Un Cache Read	MB/s	62.3	60.3
File Copy	MB/s	23.2	21.7

➤ SiSoftware Sandra 2004

		Without X-Wall MX-256C	With X-Wall MX-256C
Drive Index	KB/s	44092	40084
Buffer Read	MB/s	188	109
Sequential Read	MB/s	67	60
Random Read	MB/s	7	7
Buffer Write	MB/s	152	104
Sequential Write	MB/s	64	59
Random Write	MB/s	13	13
Average Access Time	Ms	8	7

➤ ATTO Disk Benchmark

