![eNOVA logo]

X-Wall MX Test Report – Part One

■ Test Configurations

Mother Board	MSI K7N2 Delta 2
CPU	AMD Sempron
X-Wall model	***X-Wall MX-256C, AES 256-bit strength under CBC mode of operation***
Memory	256MB(DDR)
HDD	Maxtor 6Y160M0, 160GB, SATA 1.5Gbit
OS	Windows XP Professional with SP1
SATA Host	nVidia nForce2-MCP, SATA 1.5Gbit

Configuration 1: Test the drive performance without cryptographic operation
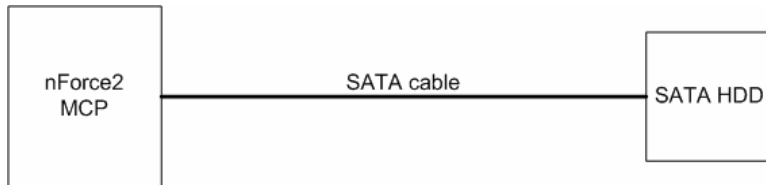
Configuration 2: Test the drive performance with *X-Wall MX-256C*
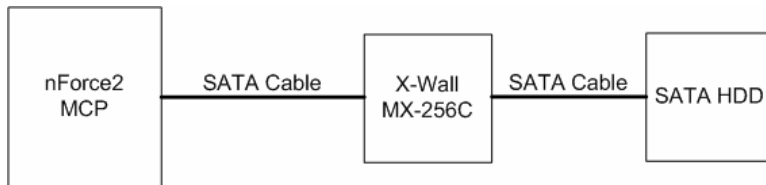
■ Functional Tests

BIOS HDD Detection	Pass
Windows XP Installation	Pass
Solaris 10 Installation	Pass
Linux Enterprise AS 4 Installation	Pass
Linux Fedora (Free edition) Installation	Pass

■ 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	*With X-Wall MX*

Score		1545	1540
Cache Write	MB/s	42.8	42.1
Uncache Write	MB/s	56.4	56.1
Cache Read	MB/s	46.3	46.3
Un Cache Read	MB/s	54.4	55.0
File Copy	MB/s	24.4	24.3

➤ **SiSoftware Sandra 2004**

		Without X-Wall MX	*With X-Wall MX*
Drive Index	KB/s	35959	36500
Buffer Read	MB/s	101	82
Sequential Read	MB/s	53	53
Random Read	MB/s	8	8
Buffer Write	MB/s	109	100
Sequential Write	MB/s	46	51
Random Write	MB/s	19	18
Average Access Time	ms	6	6

➤ **ATTO Disk Benchmark**

Without X-Wall MX	*With X-Wall MX*