

JARGY CO., LTD.

Benchmark Test Reports


Model : CBL-U3.1AC-2m

Ver : 1.0

Date : 2015/7/17

Test Platform

Test 1		Test 2		Test 3	
Type	PC	Type	PC	Type	PC
Model	ASUS X99-PRO/USB3.1	Model	ASUS X99-PRO/USB3.1	Model	ASUS X99-PRO/USB3.1
OS	Windows 8.1 Pro 64-bit	OS	Windows 8.1 Pro 64-bit	OS	Windows 8.1 Pro 64-bit
CPU	Intel Haswell-E i7-5960X	CPU	Intel Haswell-E i7-5960X	CPU	Intel Haswell-E i7-5960X
HDD	SATA III 500GB	HDD	SATA III 500GB	HDD	SATA III 500GB
RAM	DDR4 8GB	RAM	DDR4 8GB	RAM	DDR4 8GB
USB 3.1 PCH 2 Ports(ASMedia ASM1142)		USB 3.1 PCI Express Card 2 Ports(ASMedia ASM1142)		USB 3.0 PCH 4 Ports(ASMedia ASM1074)	

Test 4		Test 5		PCI Express Card 2 Ports(ASMedia ASM1142)
Type	PC	Type	PC	
Model	ASUS X99-PRO/USB3.1	Model	ASUS X99-PRO/USB3.1	
OS	Windows 8.1 Pro 64-bit	OS	Windows 8.1 Pro 64-bit	
CPU	Intel Haswell-E i7-5960X	CPU	Intel Haswell-E i7-5960X	
HDD	SATA III 500GB	HDD	SATA III 500GB	
RAM	DDR4 8GB	RAM	DDR4 8GB	
USB 3.0 PCH 4 Ports(Intel X99 Native)		USB 3.0 PCI Express Card 2 Ports(Renesas uPD720202)		

Tested Drive

USB 3.1 to SATA III 2.5-inch HDD Bridge(AMS1351) + SAMSUNG SSD 850 PRO 512GB×1



Test 1

PCH ←→ AMS1351 ←→ SSD 850 PRO



CrystalDiskMark 3.0.3 x64

檔案(F) 編輯(E) 佈景主題(T) 說明(H) 語言(Language)

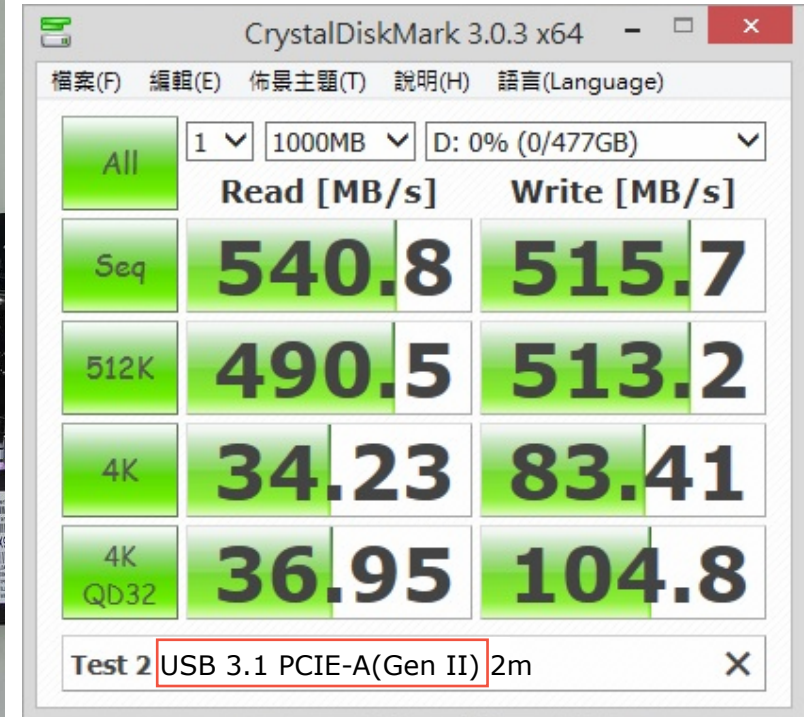
All 1 1000MB D: 0% (0/477GB)

	Read [MB/s]	Write [MB/s]
Seq	539.6	513.7
512K	489.8	510.9
4K	33.27	75.15
4K QD32	35.83	92.71

Test 1 USB 3.1 PCH-A(Gen II) built-in/on-board 2m X

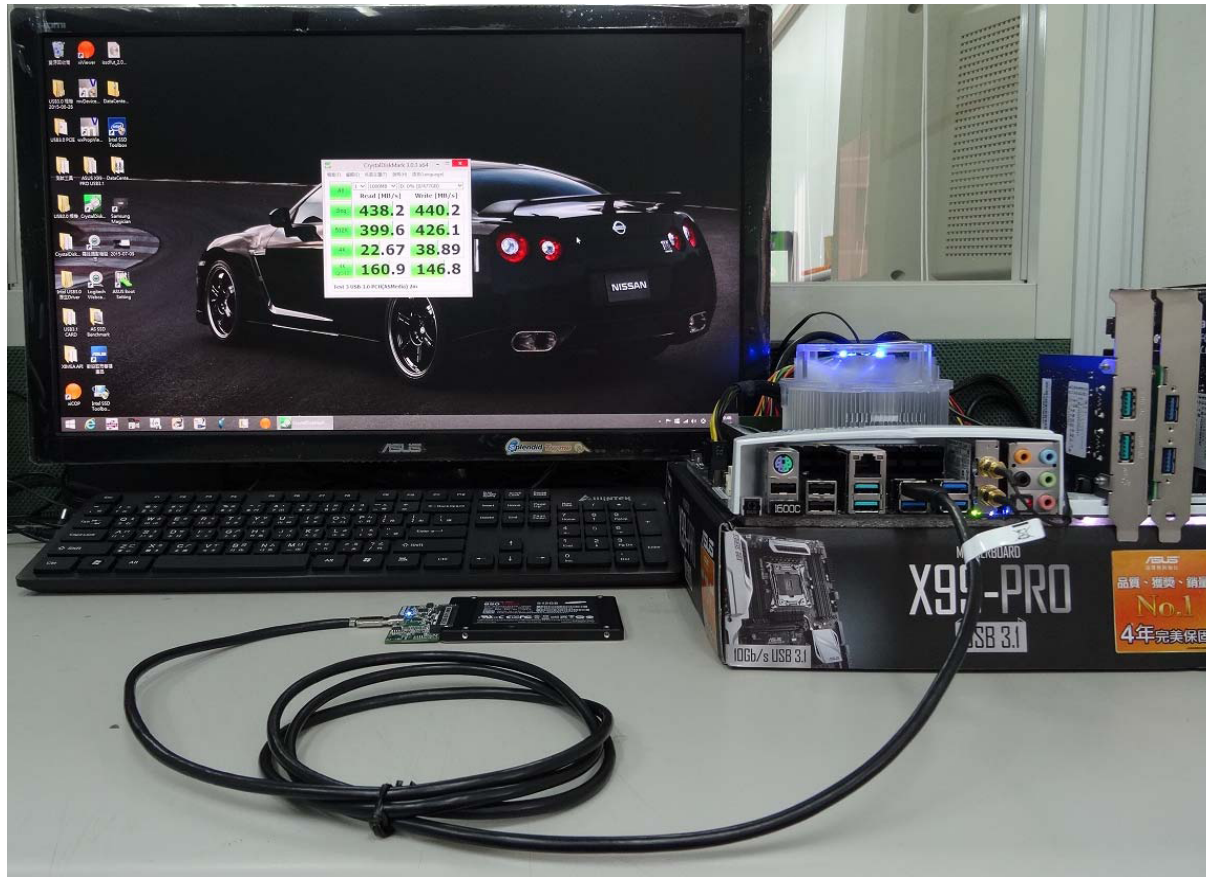
Test 2

PCIE ←→ AMS1351 ←→ SSD 850 PRO



Test 3

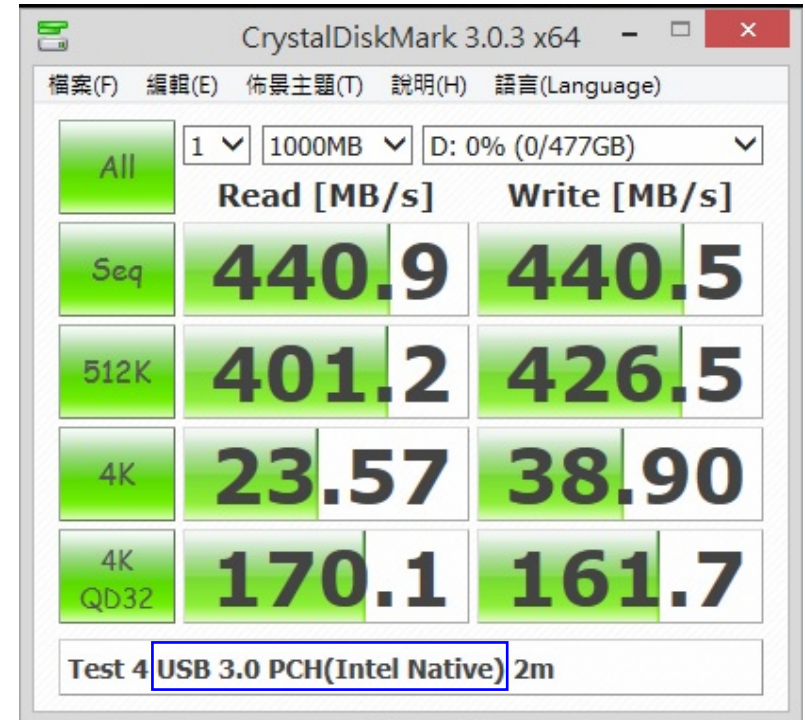
PCH ←→ AMS1351 ←→ SSD 850 PRO



CrystalDiskMark 3.0.3 x64		
檔案(F) 編輯(E) 佈景主題(T) 說明(H) 語言(Language)		
All	1	1000MB
D: 0% (0/477GB)		
	Read [MB/s]	Write [MB/s]
Seq	438.2	440.2
512K	399.6	426.1
4K	22.67	38.89
4K QD32	160.9	146.8
Test 3 USB 3.0 PCH(ASMedia) 2m		

Test 4

PCH ← AMS1351 → SSD 850 PRO



Test 5

PCIE ←→ AMS1351 ←→ SSD 850 PRO



CrystalDiskMark 3.0.3 x64		
檔案(F) 編輯(E) 佈景主題(T) 說明(H) 語言(Language)		
All	1	1000MB
Read [MB/s]	D: 0% (0/477GB)	
Seq	370.4	335.1
512K	343.9	326.2
4K	27.27	40.81
4K QD32	178.6	138.8
Test 5 USB 3.0 PCIE(Renesas) 2m		

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Test Platform

Test 1		Test 2		Test 3	
Type	PC	Type	PC	Type	PC
Model	ASUS X99-PRO/USB3.1	Model	ASUS X99-PRO/USB3.1	Model	ASUS X99-PRO/USB3.1
OS	Windows 8.1 Pro 64-bit	OS	Windows 8.1 Pro 64-bit	OS	Windows 8.1 Pro 64-bit
CPU	Intel Haswell-E i7-5960X	CPU	Intel Haswell-E i7-5960X	CPU	Intel Haswell-E i7-5960X
HDD	SATA III 500GB	HDD	SATA III 500GB	HDD	SATA III 500GB
RAM	DDR4 8GB	RAM	DDR4 8GB	RAM	DDR4 8GB
USB 3.1 PCH 2 Ports(ASMedia ASM1142)		USB 3.1 PCI Express Card 2 Ports(ASMedia ASM1142)		USB 3.0 PCH 4 Ports(ASMedia ASM1074)	

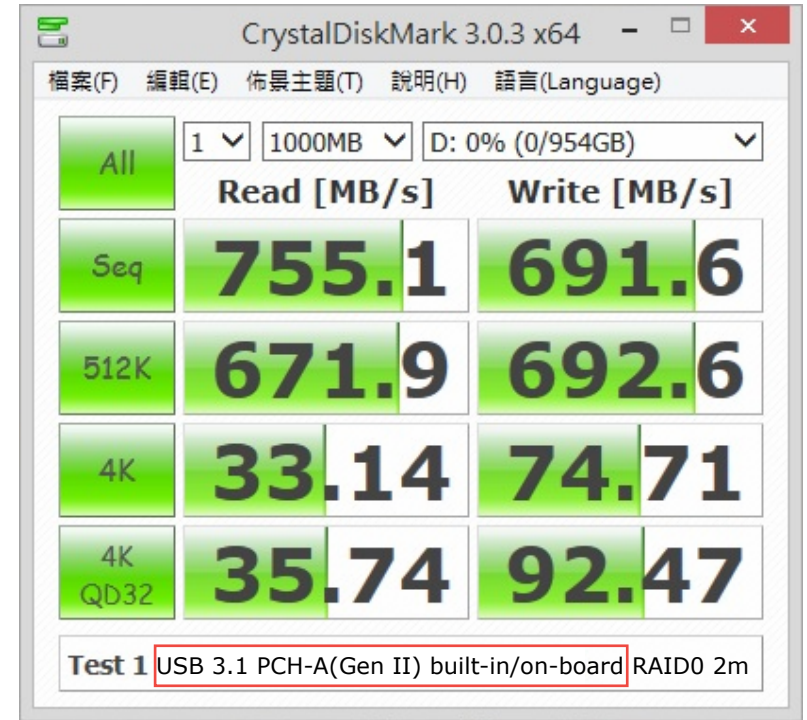
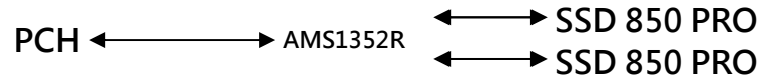
Test 4		Test 5		PCI Express Card 2 Ports(ASMedia ASM1142)	
Type	PC	Type	PC		
Model	ASUS X99-PRO/USB3.1	Model	ASUS X99-PRO/USB3.1		
OS	Windows 8.1 Pro 64-bit	OS	Windows 8.1 Pro 64-bit		
CPU	Intel Haswell-E i7-5960X	CPU	Intel Haswell-E i7-5960X		
HDD	SATA III 500GB	HDD	SATA III 500GB		
RAM	DDR4 8GB	RAM	DDR4 8GB		
USB 3.0 PCH 4 Ports(Intel X99 Native)		USB 3.0 PCI Express Card 2 Ports(Renesas uPD720202)			

Tested Drive

USB 3.1 to SATA III 2.5-inch HDD Bridge(AMS1352R) + SAMSUNG SSD 850 PRO 512GB×2



Test 1



Test 2

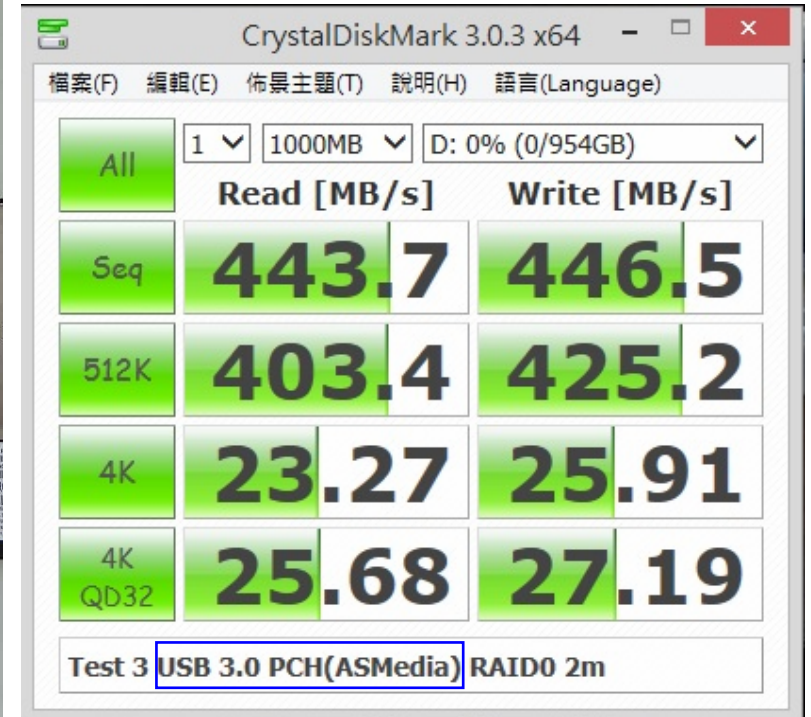
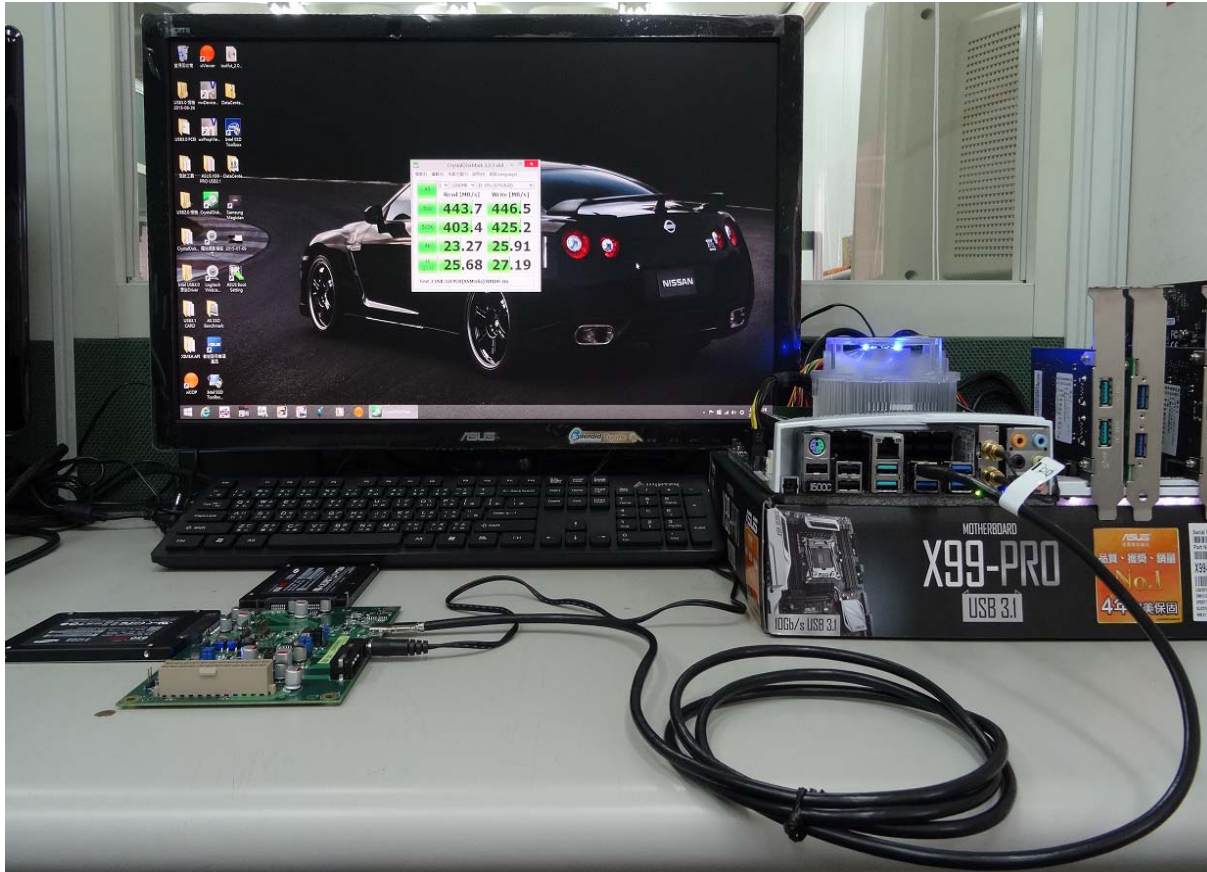
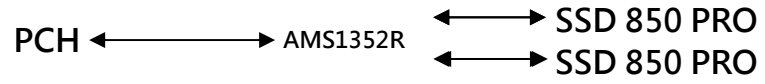
PCIE ← → AMS1352R
← → SSD 850 PRO
← → SSD 850 PRO



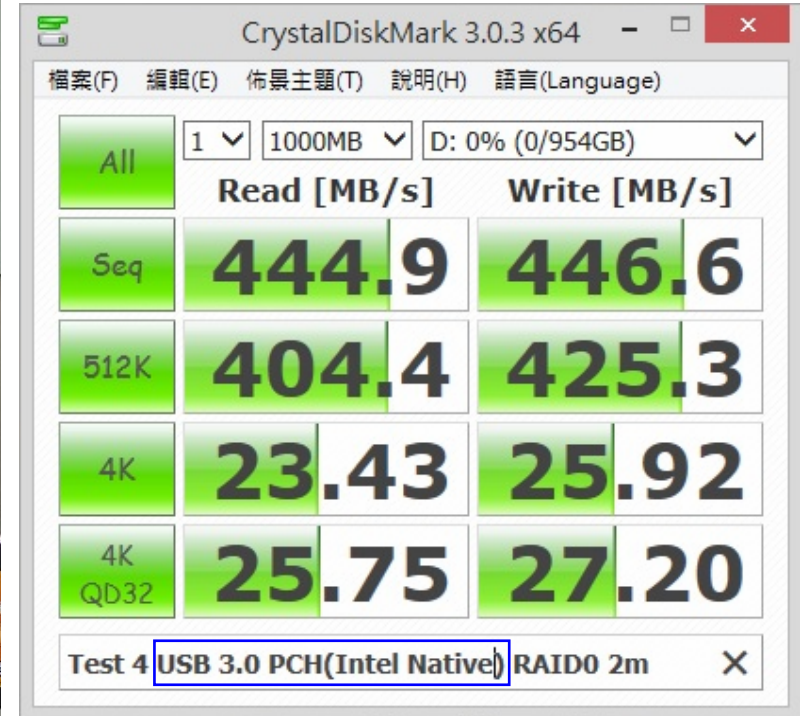
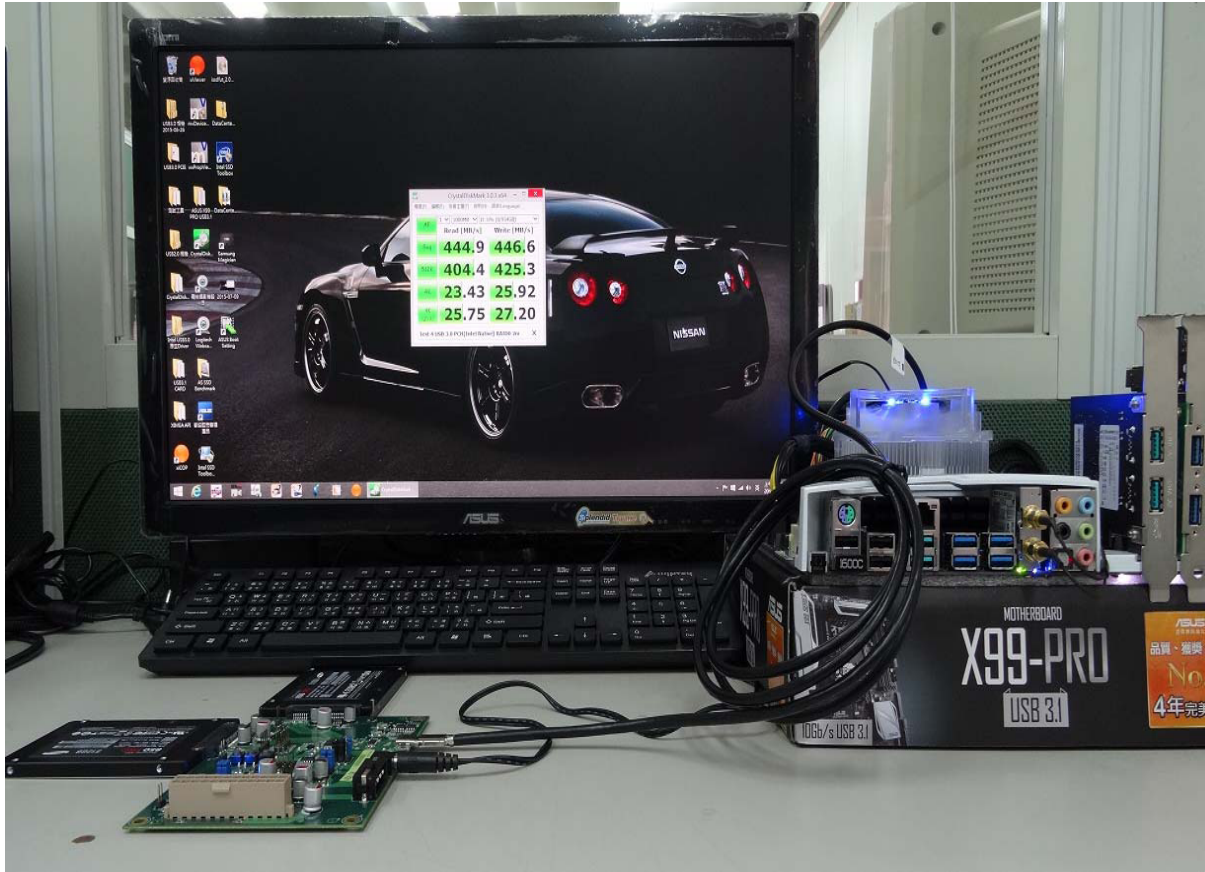
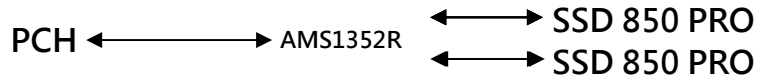
	Read [MB/s]	Write [MB/s]
All	1000MB	D: 0% (0/954GB)
Seq	822.0	832.2
512K	718.8	822.6
4K	34.15	83.83
4K QD32	36.83	104.7

Test 2 USB 3.1 PCIE-A(Gen II) RAID0 2m

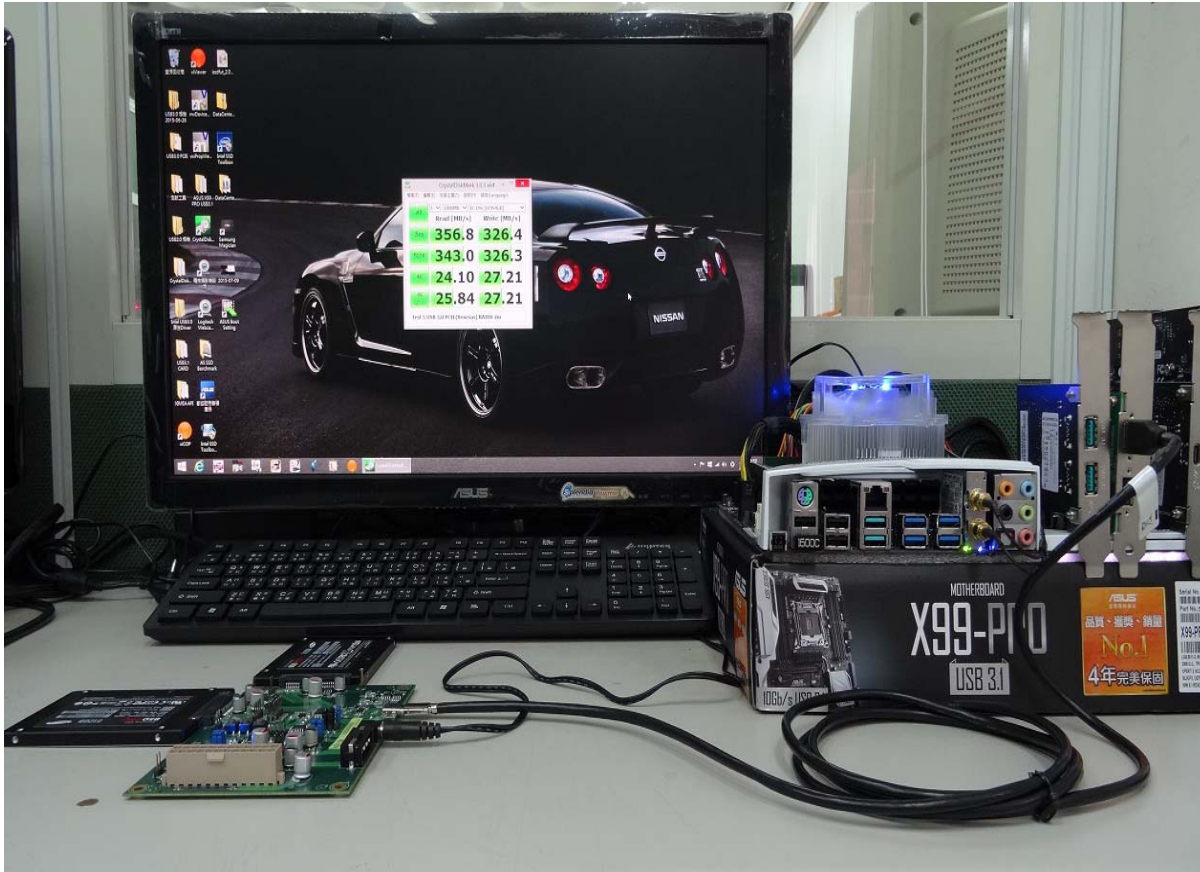
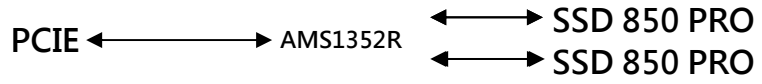
Test 3



Test 4



Test 5



CrystalDiskMark 3.0.3 x64

檔案(F) 編輯(E) 佈景主題(T) 說明(H) 語言(Language)

All 1 1000MB D: 0% (0/954GB)

	Read [MB/s]	Write [MB/s]
Seq	356.8	326.4
512K	343.0	326.3
4K	24.10	27.21
4K QD32	25.84	27.21

Test 5 USB 3.0 PCIE(Renesas) RAID0 2m