

# JARGY CO., LTD.


## Benchmark Test Reports

Model : CBL-U3.1AMB-1m

Ver : 1.0

Date : 2015/7/15

### 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
<b>USB 3.1 PCH 2 Ports(ASMedia ASM1142)</b>		<b>USB 3.1 PCI Express Card 2 Ports(ASMedia ASM1142)</b>		<b>USB 3.0 PCH 4 Ports(ASMedia ASM1074)</b>	
Test 4		Test 5		<b>PCI Express Card 2 Ports(ASMedia ASM1142)</b>	
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		
<b>USB 3.0 PCH 4 Ports(Intel X99 Native)</b>		<b>USB 3.0 PCI Express Card 2 Ports(Renesas uPD720202)</b>			

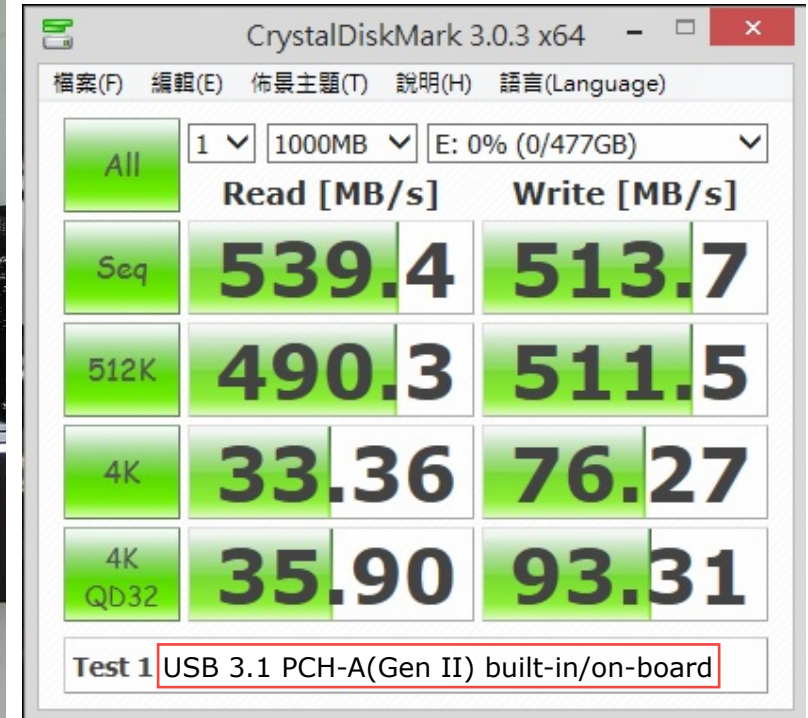
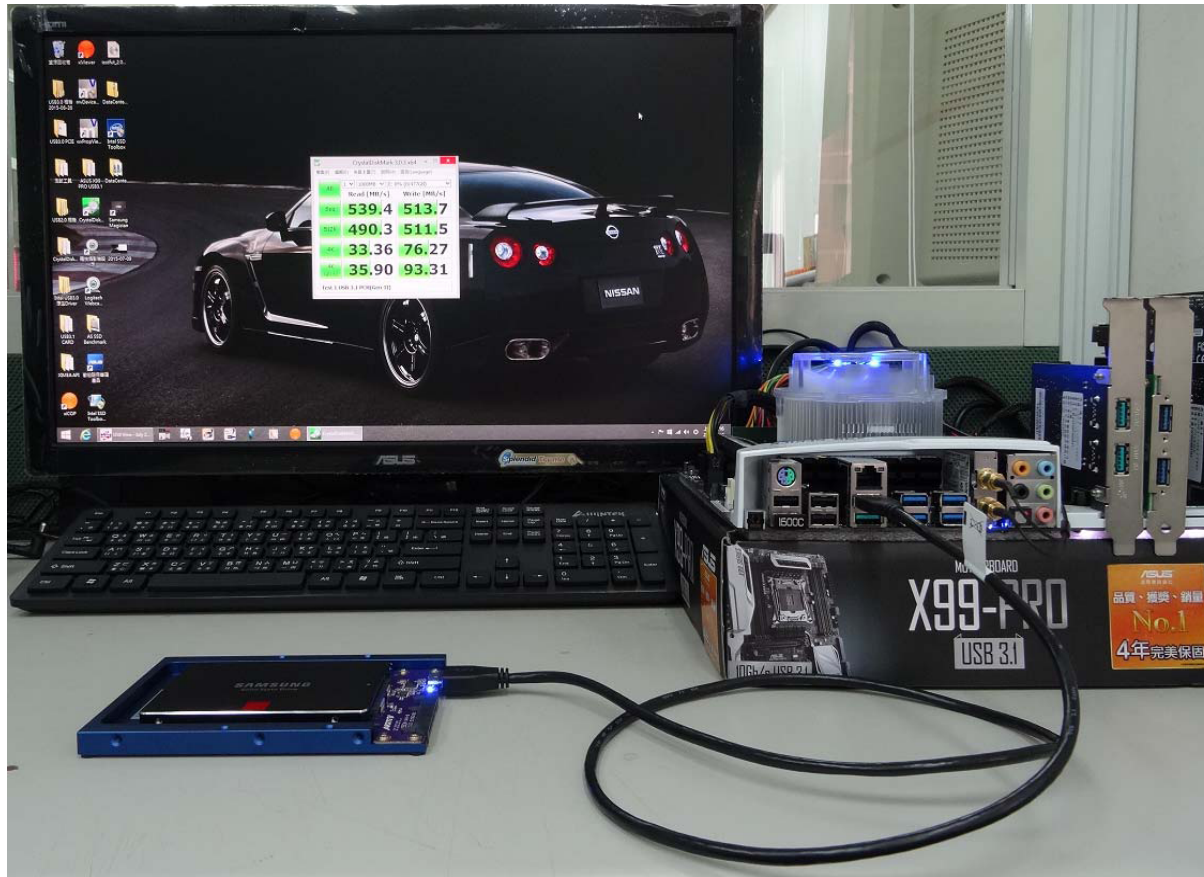
### Tested Drive

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



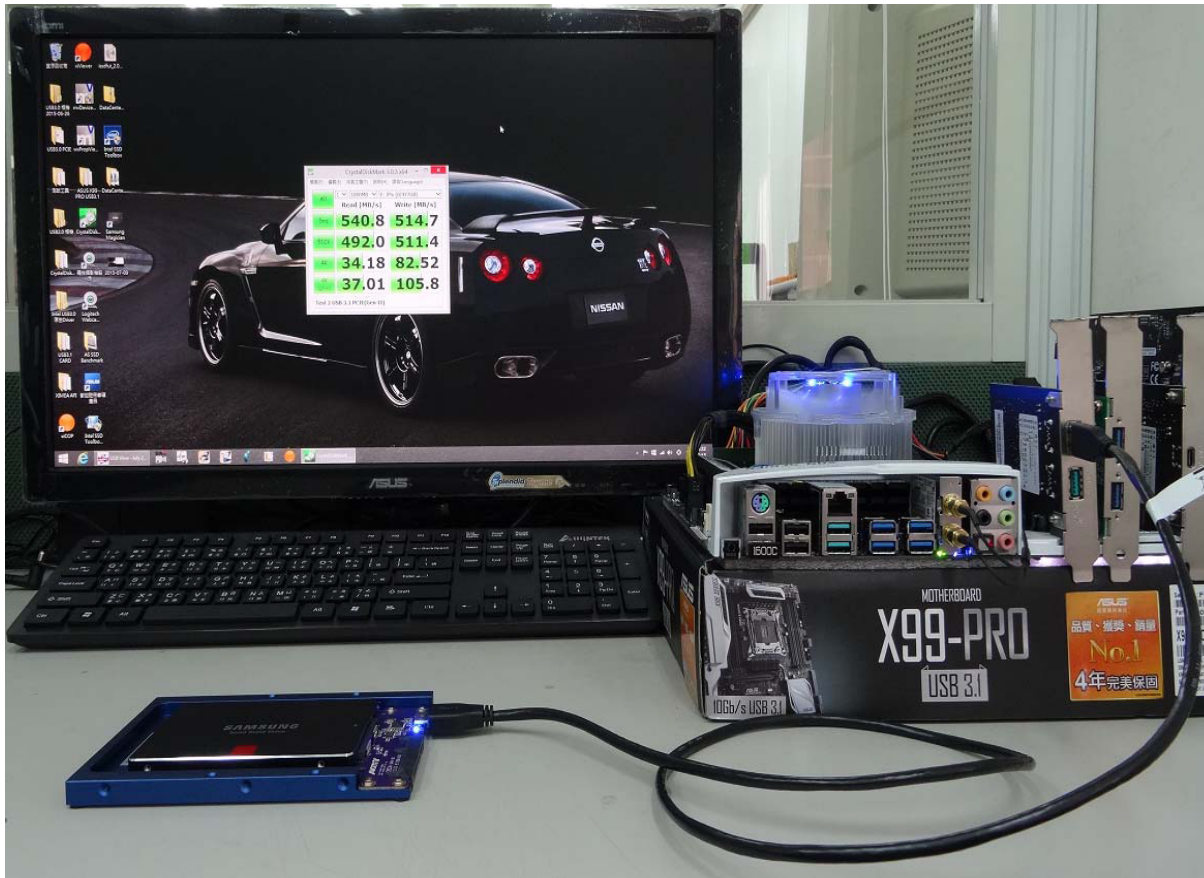
# Test 1

PCH ←→ AMS1351 ←→ SSD 850 PRO



## Test 2

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)

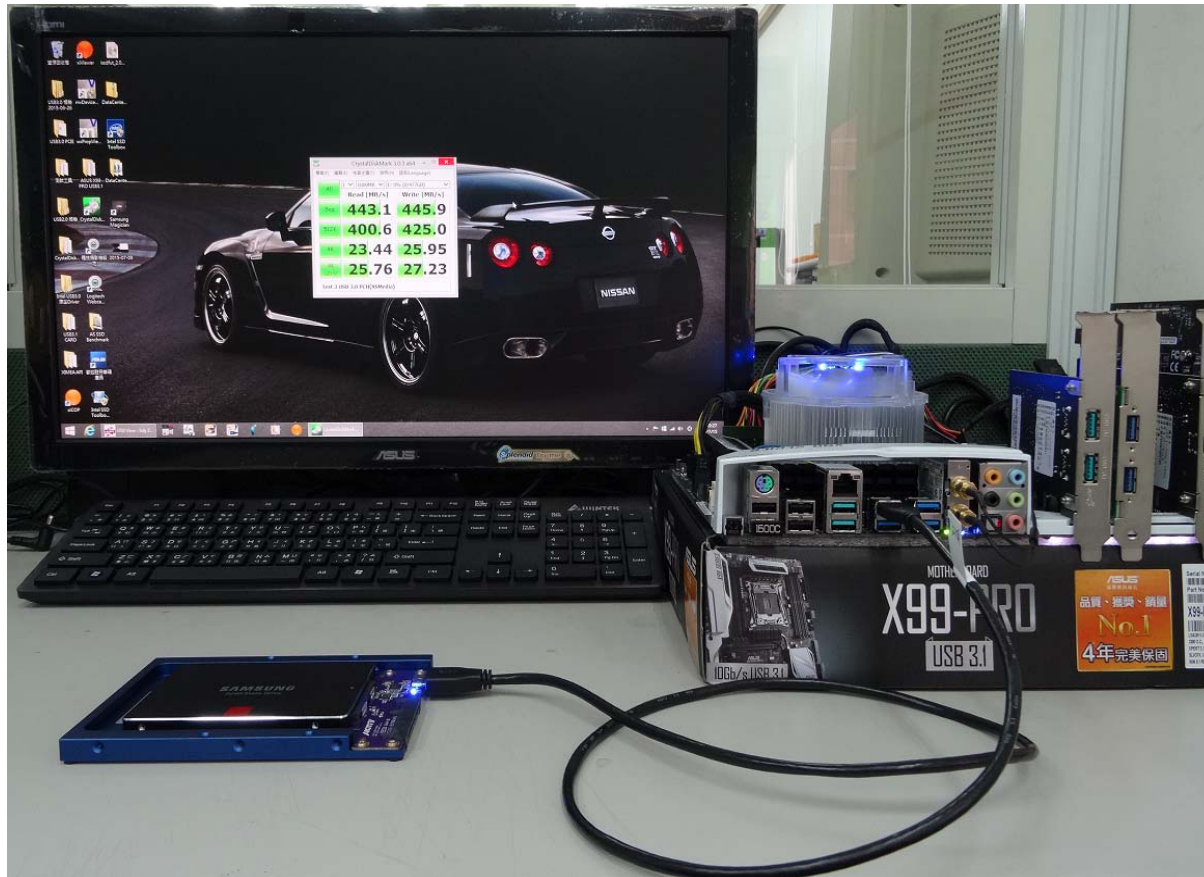
All 1 1000MB E: 0% (0/477GB)

	Read [MB/s]	Write [MB/s]
Seq	540.8	514.7
512K	492.0	511.4
4K	34.18	82.52
4K QD32	37.01	105.8

Test 2 USB 3.1 PCIE-A(Gen II)

### Test 3

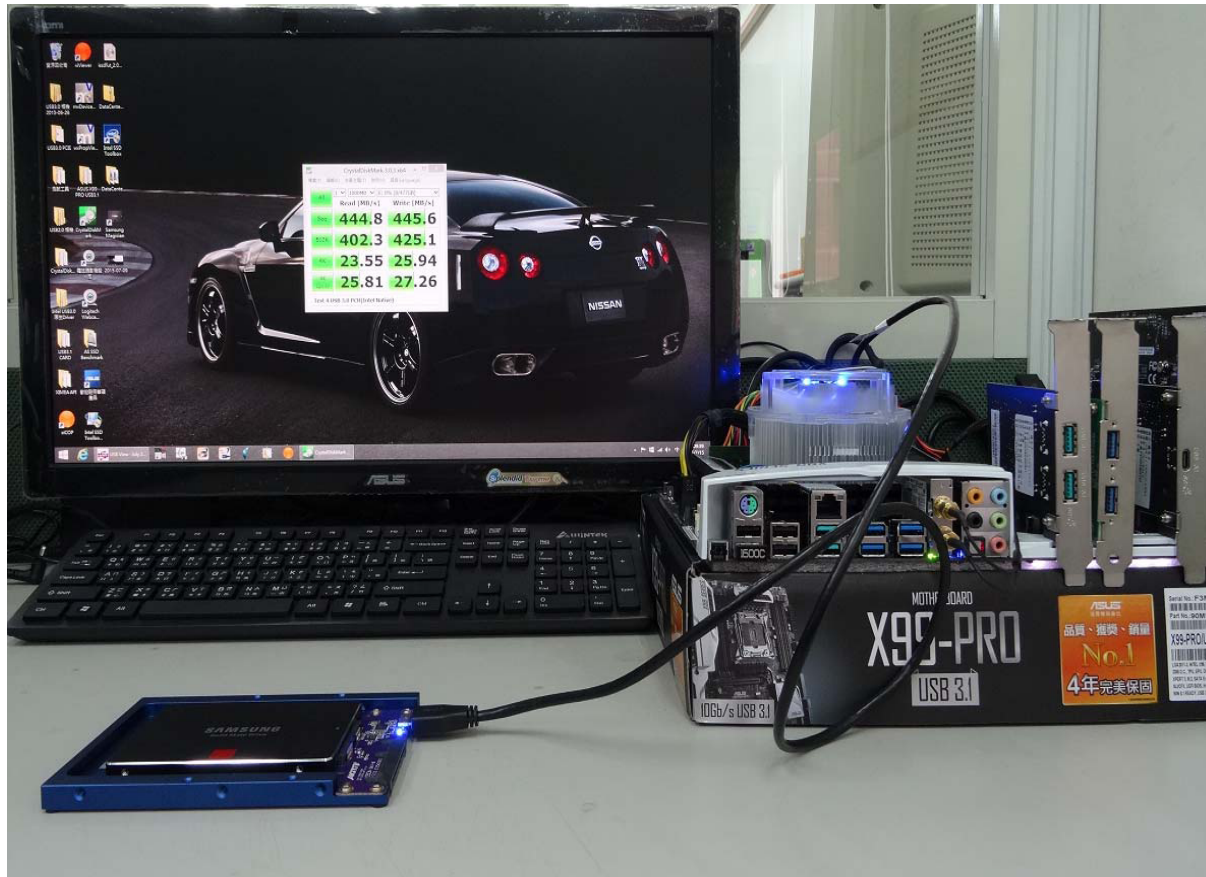
PCH ←→ AMS1351 ←→ SSD 850 PRO



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
E: 0% (0/477GB)		
	Read [MB/s]	Write [MB/s]
Seq	443.1	445.9
512K	400.6	425.0
4K	23.44	25.95
4K QD32	25.76	27.23
Test 3 USB 3.0 PCH(ASMedia)		

# Test 4

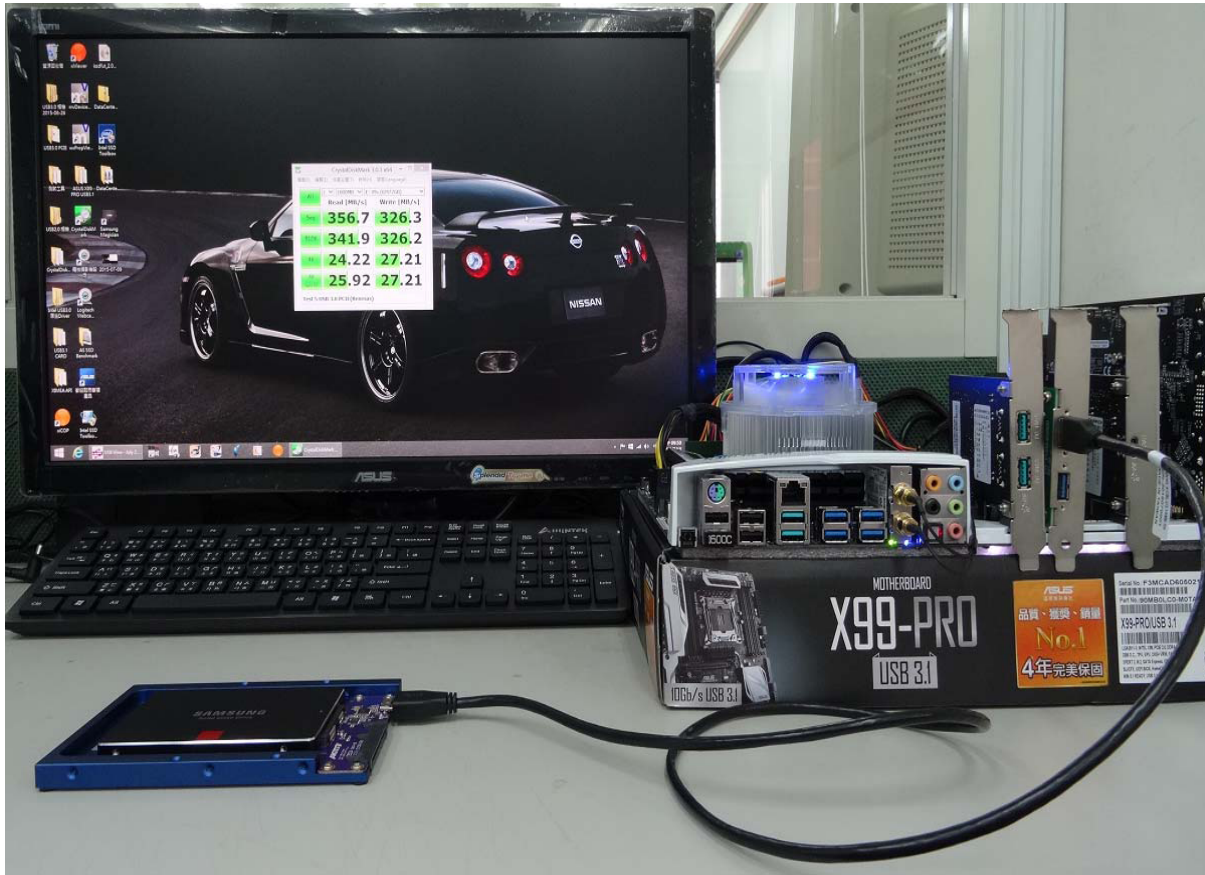
PCH ←→ AMS1351 ←→ SSD 850 PRO



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
	E: 0% (0/477GB)	
	Read [MB/s]	Write [MB/s]
Seq	444.8	445.6
512K	402.3	425.1
4K	23.55	25.94
4K QD32	25.81	27.26
Test 4 USB 3.0 PCH(Intel Native)		

# 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
Seq	Read [MB/s]	Write [MB/s]
512K	356.7	326.3
4K	341.9	326.2
4K	24.22	27.21
4K QD32	25.92	27.21
Test 5 USB 3.0 PCIE(Renesas)		

# JARGY CO., LTD.


## Benchmark Test Reports

Model : CBL-U3.1AMB-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
<b>USB 3.1 PCH 2 Ports(ASMedia ASM1142)</b>		<b>USB 3.1 PCI Express Card 2 Ports(ASMedia ASM1142)</b>		<b>USB 3.0 PCH 4 Ports(ASMedia ASM1074)</b>	
Test 4		Test 5		<b>PCI Express Card 2 Ports(ASMedia ASM1142)</b>	
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		
<b>USB 3.0 PCH 4 Ports(Intel X99 Native)</b>		<b>USB 3.0 PCI Express Card 2 Ports(Renesas uPD720202)</b>			

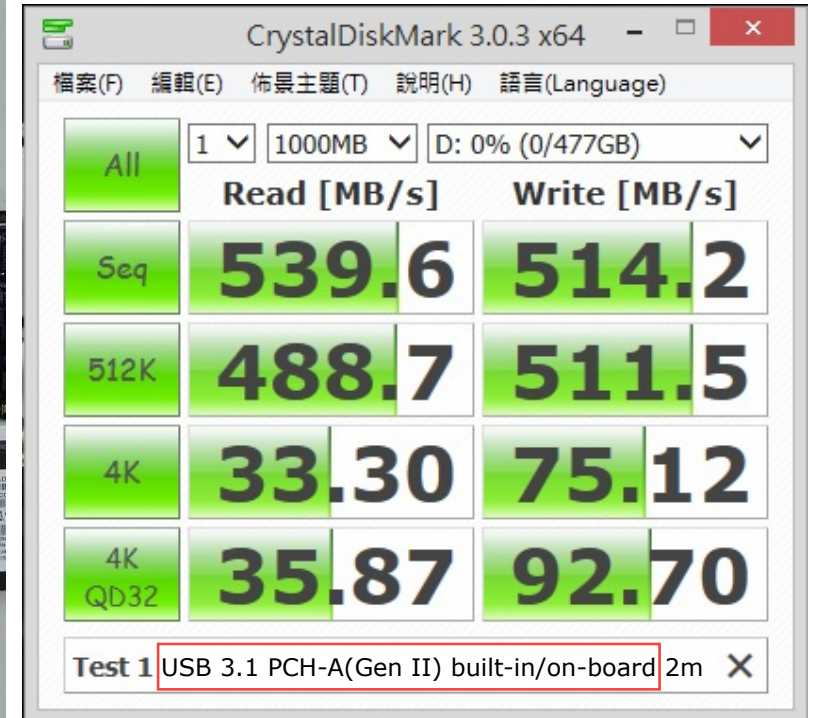
### Tested Drive

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



# Test 1

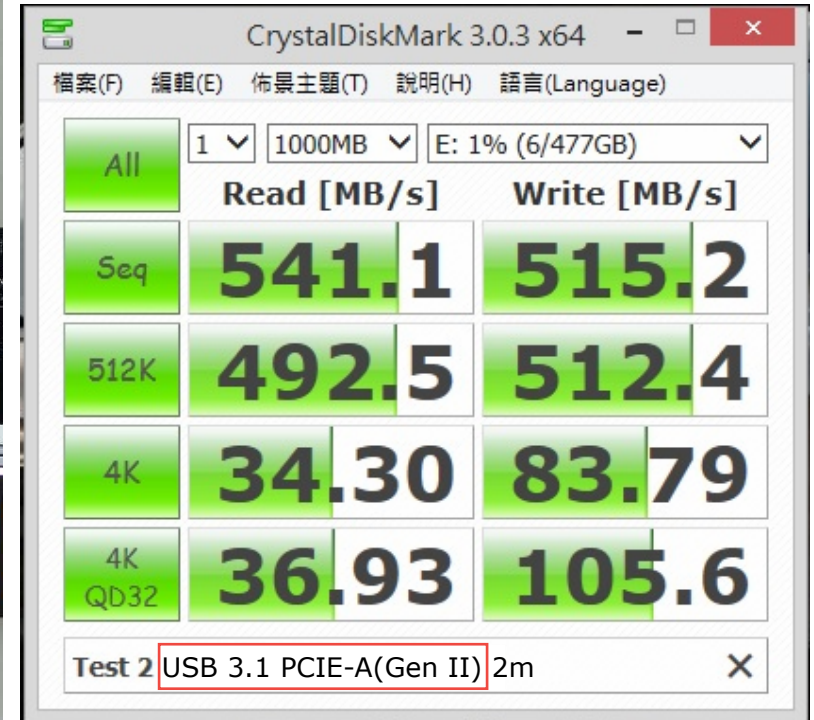
PCH ←→ AMS1351 ←→ SSD 850 PRO





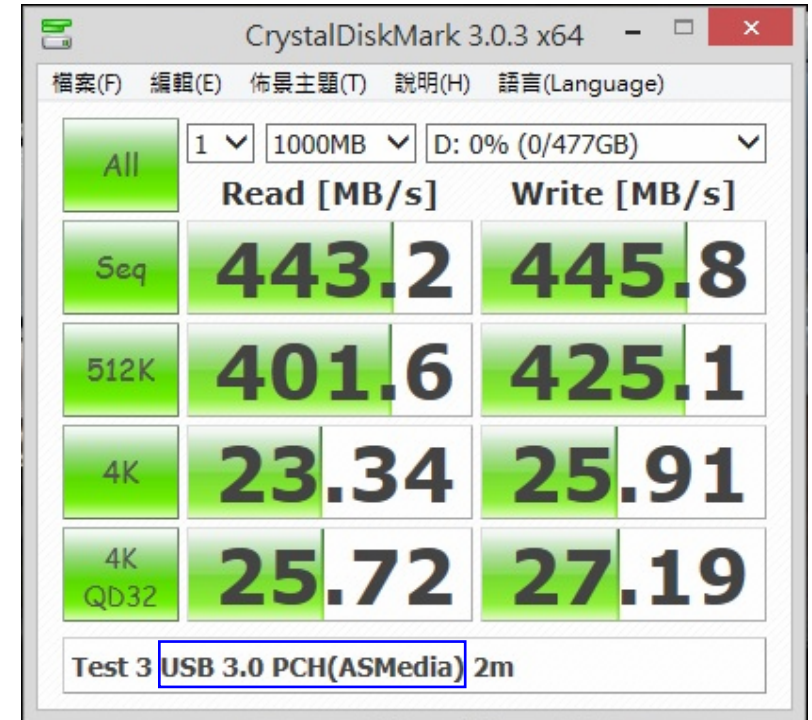
## Test 2

PCIE ← → AMS1351 ← → SSD 850 PRO



### Test 3

PCH ←→ AMS1351 ←→ SSD 850 PRO



# Test 4

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	445.2	446.0
512K	402.8	425.4
4K	23.48	25.91
4K QD32	25.80	27.19
Test 4 USB 3.0 PCH(Intel Native) 2m		

# 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	D: 0% (0/477GB)
	Read [MB/s]		Write [MB/s]
Seq	356.8	326.4	
512K	342.3	326.5	
4K	24.17	27.21	
4K QD32	25.92	27.22	
Test 5 USB 3.0 PCIE(Renesas) 2m			

# JARGY CO., LTD.


## Benchmark Test Reports

Model : CBL-U3.1AMB-3m

Ver : 1.0

Date : 2015/8/7

### 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)

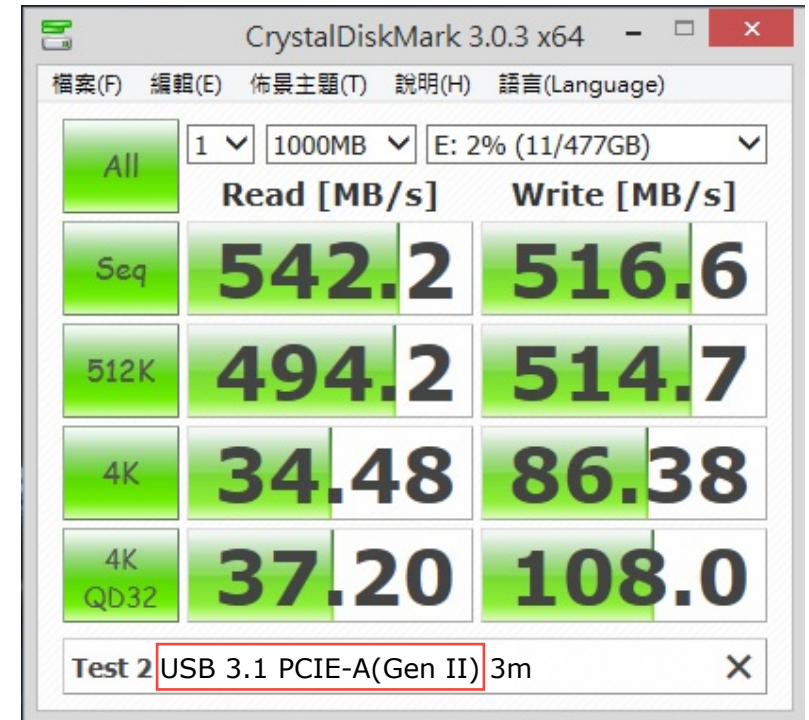
All 1 1000MB E: 2% (11/477GB)

	Read [MB/s]	Write [MB/s]
Seq	539.7	513.9
512K	490.0	511.7
4K	33.42	76.02
4K QD32	35.97	94.23

Test 1 USB 3.1 PCH-A(Gen II) built-in/on-board 3m

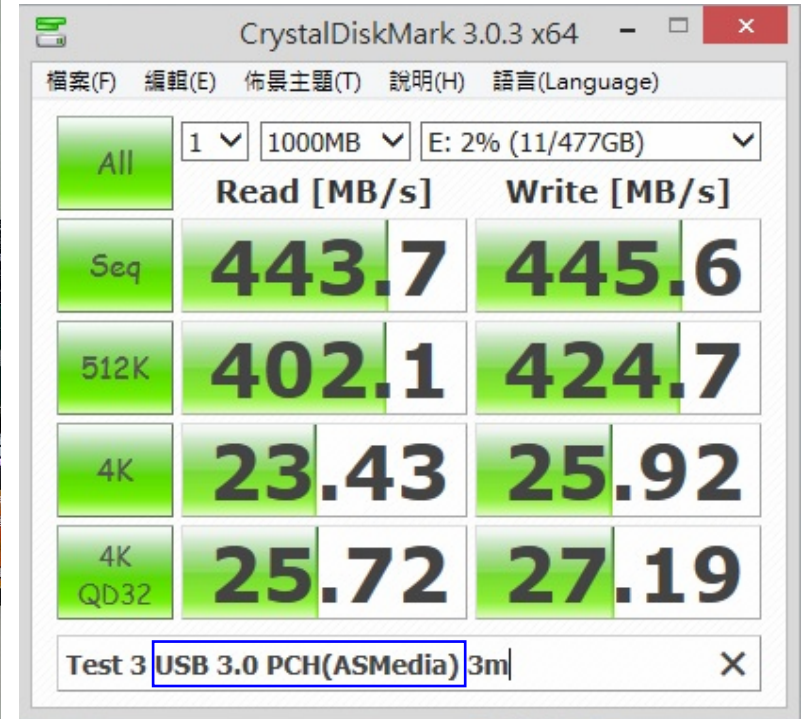
## Test 2

PCIE ← → AMS1351 ← → SSD 850 PRO



### Test 3

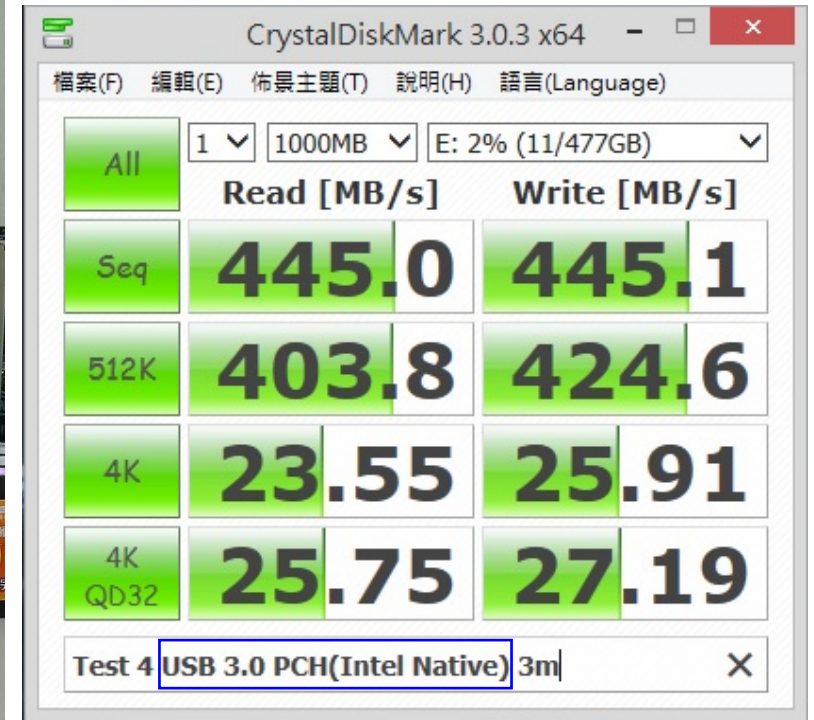
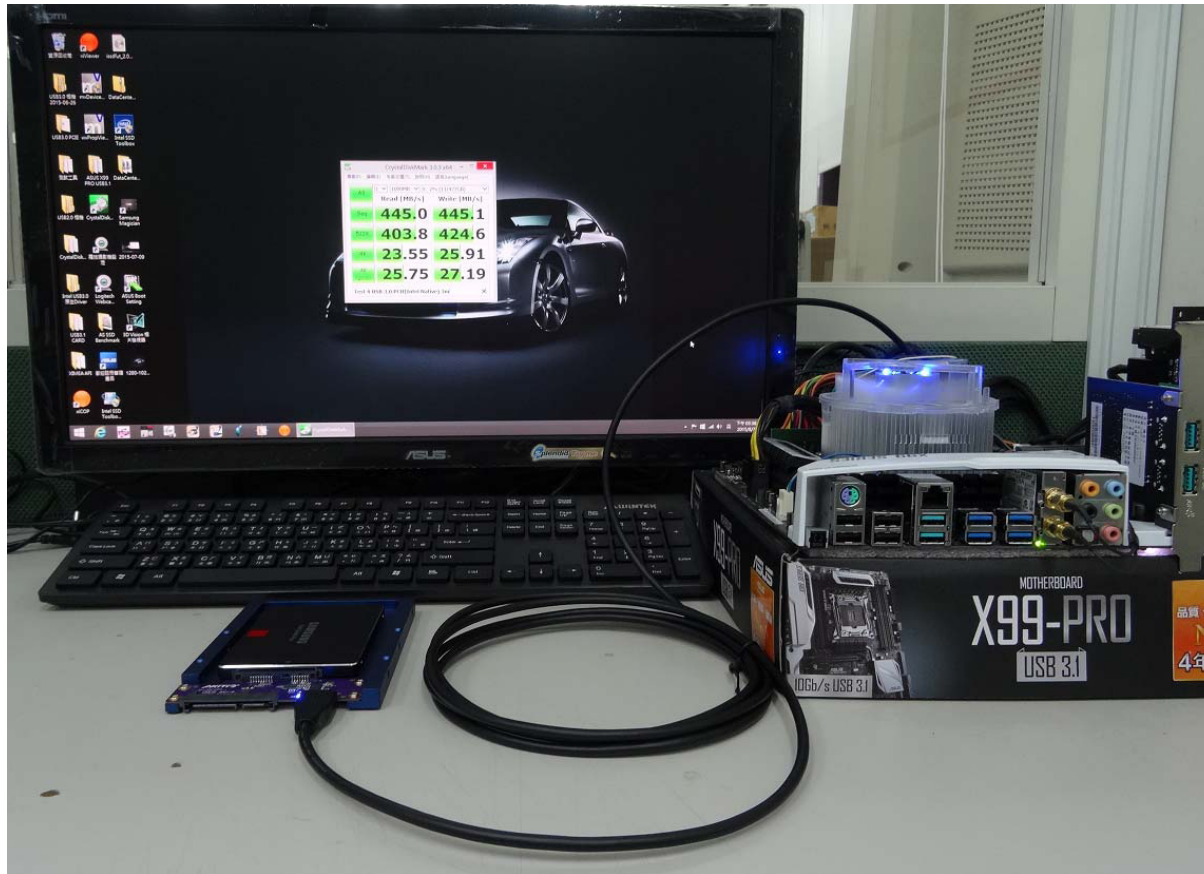
PCH ↔ AMS1351 ↔ SSD 850 PRO





## 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
Seq	Read [MB/s]	Write [MB/s]
512K	356.6	326.4
4K	342.1	326.2
4K QD32	24.17	27.20
4K QD32	25.90	27.23
Test 5 USB 3.0 PCIE(Renesas) 3m		