

### TEST REPORT

Report No.: HC30212B/2016 Page: 1 of 7 Date: April 26, 2016

VECOW CO., LTD. 12 F, NO. 111, ZHONGCHENG RD., TUCHENG DIST., NEW TAIPEI CITY, TAIWAN, R.O.C.

The following merchandise was submitted and identified by the vendor as:

Product Description:	High Performance Fanless System
Style/ Item No.:	ECS-8000-PoE/ No.1
<u>Quantity:</u>	Total 1 set
Testing Period:	Apr. 21, 2016 to Apr. 25, 2016

We have tested the submitted sample(s) as requested and the following results were obtained: **Test Required:** (According to client's test specification, please see following sheets in detail.)

- 1. Random Vibration Test
- 2. Mechanical Shock Test

Test Results: - PLEASE SEE ATTACHED SHEETS -

#### Signed for and on behalf of SGS TAIWAN Ltd.

entr

Allen Wang Team Leader

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#### 1. Random Vibration Test:

#### Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	King Design	EM-800F2K-50N120	RU104080389
Controller	Dactron	COMET 200	10539718
Control Accelerometer	PCB	353B34	139174

### Lab Environmental Conditions:

Ambient temperature:	<u>(25 ± 3) °C</u>
Ambient humidity:	<u>(55 ± 20) % RH</u>

### Test Method/ Specification:

Test Method:	IEC 60068-2-64, Edition 2.0:2008 and client's request			
Sample condition:	Operating (exe	cute Burn-In Test		
Wave form:	Random			
Frequency:	<u>(5 ~ 500) Hz</u>			
	Frequency (Hz)	Left Slope (dB/Oct.)	PSD (G <sup>2</sup> /Hz)	Right Slope (dB/Oct.)
	5		0.05	0
	500	0	0.05	-
	⊂⇒ equivaler	t to 5.0 Grms		
Direction:	X, Y, Z axes (se	ee photo 3 ~ 5)		
Duration:	30 minutes/ axi	IS		

- Examine the appearance of specimen(s) by visual check and perform functional check after this test
- Functional check: Turn on the power of specimen then execute test program "Burn-In Test" while performing functional check.

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Specimen:

Style/ Item No.: Quantity: ECS-8000-PoE/ No.1 Total 1 set

### Test Result:

Check Item Style/ Item No.	Appearance check (Visual check)	Functional check	
ECS-8000-PoE/ No.1	No visible damage	Normal	

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#### 2. Mechanical Shock Test:

#### Test Equipment:

Name	Brand	Model	Serial No.
Shock Testing System	LANSMONT	65-81 TTSII	M-13418
Data Acquisition and Analysis System	LANSMONT	103570-2-В	0503-73
ICP Accelerometer	PCB	353B14	79712

### Lab Environmental Conditions:

Ambient temperature:	<u>(25 ± 3) °C</u>
Ambient humidity:	(55 ± 20) % RH

### Test Method/ Specification:

Test Method:	IEC 60068-2-27, Edition 4.0:2008 and client's reque
Specimen Condition:	Operating (execute Burn-In Test)
Pulse shape:	<u>Half-sine</u>
Acceleration:	<u>50 G</u>
Velocity Change:	<u>11 ms</u>
Shock direction:	<u>6 faces (<math>\pm X</math>, <math>\pm Y</math>, <math>\pm Z</math> axes, see photo 6 ~ 11)</u>
No. of shock:	3 shocks/ face (total 18 shocks)

- Examine the appearance of specimen(s) by visual check and perform functional check after this test
- Functional check: Turn on the power of specimen then execute test program "Burn-In Test" while performing functional check.

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Specimen:

Style/ Item No.: Quantity: ECS-8000-PoE/ No.1 Total 1 set

### Test Result:

Check Item Style/ Item No.	Appearance check (Visual check)	Functional check	
ECS-8000-PoE/ No.1	No visible damage	Normal	

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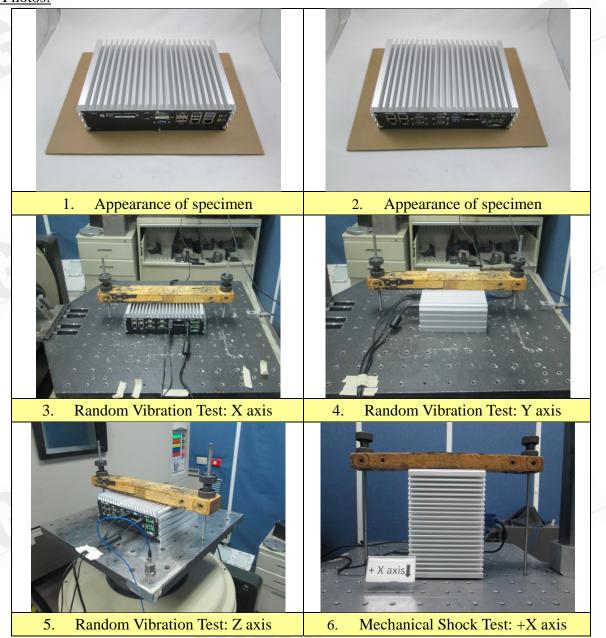
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Test Photos:



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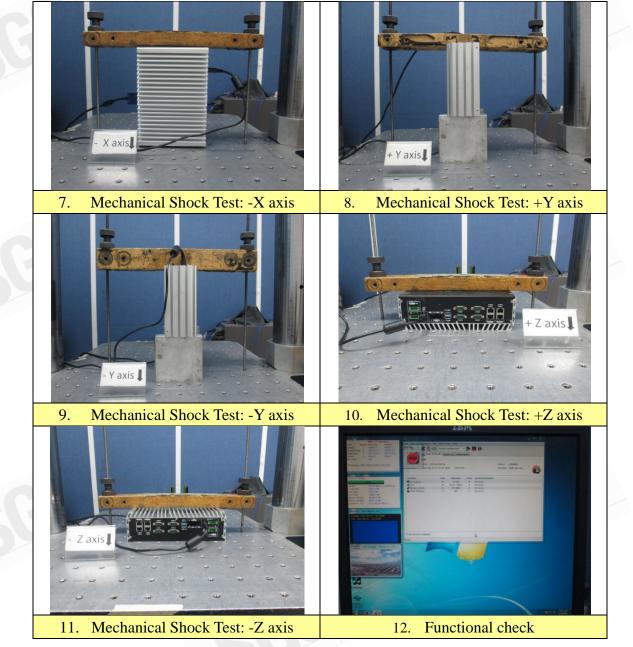
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