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May 17, 2023 Date:

VECOW CO., LTD. 3F., NO. 10, JIANKANG RD., ZHONGHE DIST., NEW TAIPEI CITY, TAIWAN

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

High-Performance Fanless System Product Description:

Style/ Item No.: ECX-3000/ No.1

Total 1 piece Quantity:

Testing Period: Apr. 11, 2023 to May 11, 2023

(Client's declaration) The configuration of specimen(s) as shown below: Note:

1. CPU: I5-12500TE@1.9 GHz

2. RAM: SMART DDR4 3200 32GB Non-ECC SO-DIMM *2

3. SSD: MEMXPRO 2.5" SSD ET30 128GB WT

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. High Temperature Test

2. Low Temperature Test

3. Vibration Test

4. Mechanical Shock Test

Test Results: - PLEASE SEE ATTACHED SHEETS -

> Signed for and on behalf of SGS TAIWAN Ltd.

Alex Chen Asst. Supervisor

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1. High Temperature Test:

Test Equipment:

Name	Brand	Model	Serial No.
Programmable Temperature & Humidity Chamber	Giant Force	GTH-408-40-CP-AR	MAA1112-012

Lab Environmental Conditions:

Ambient temperature: (25 ± 3) °C

Ambient humidity: (55 ± 20) % RH

Test Location: No.31, Wu Chyuan Road, New Taipei Industrial Park, WuKu District,

New Taipei City, Taiwan.

Test Method/ Specification:

Test Method: IEC 60068-2-2, Edition 5.0: 2007 and client's request

Test Temperature: 75 °C 95 % RH Test Humidity: Test duration: 16 hours

- Sample condition: Operating.
- Examine the appearance of specimen by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated power and then examine whether the test program "Burn-In" test could be work normally or not.

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Specimen:

Style/ Item No.: ECX-3000/ No.1

Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance Check (Visual check)	Functional check
ECX-3000/ No.1	No visible damage	Normal



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2. Low Temperature Test:

Test Equipment:

Name	Brand	Model	Serial No.
Programmable Temperature & Humidity Chamber	Giant Force	GTH-408-40-CP-AR	MAA1112-012

Lab Environmental Conditions:

Ambient temperature: (25 ± 3) °C

Ambient humidity: (55 ± 20) % RH

Test Location: No.31, Wu Chyuan Road, New Taipei Industrial Park, WuKu District,

New Taipei City, Taiwan.

Test Method/ Specification:

IEC 60068-2-1, Edition 6.0: 2007 and client's request Test Method:

Test Temperature: -40 °C Test duration: 16 hours

- Sample condition: Operating.
- Examine the appearance of specimen by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated power and then examine whether the test program "Burn-In" test could be work normally or not.

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Specimen:

Style/ Item No.: ECX-3000/ No.1

Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance Check (Visual check)	Functional check
ECX-3000/ No.1	No visible damage	Normal



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3. Vibration Test:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B34	LW213529

Lab Environmental Conditions:

Ambient temperature: (25 ± 3) °C Ambient humidity: (55 ± 20) % RH

Test Location: No.31, Wu Chyuan Road, New Taipei Industrial Park, WuKu District, New

Taipei City, Taiwan.

Test Method/ Specification:

Test Method: IEC 60068-2-64 Edition 2.1: 2019 and client's request

Wave form: Random Frequency: $(5 \sim 500) \text{ Hz}$

Frequency (Hz)	Left Slope (dB/Oct.)	PSD (g ² /Hz)	Right Slope (dB/Oct.)
5		0.05	0
500	0	0.05	-
equivalent to 5.0 g _{rms}			

Direction: X, Y, Z axes (as show in photo $5 \sim 7$)

Test duration: 30 minutes/axis

- Sample condition: Operating.
- Examine the appearance of specimen by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated power and then examine whether the test program "Burn-In" test could be work normally or not.

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Specimen:

Style/ Item No.: ECX-3000/ No.1

Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance Check (Visual check)	Functional check
ECX-3000/ No.1	No visible damage	Normal



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4. Mechanical Shock Test:

Test Equipment:

Name	Brand	Model	Serial No.
Shock Test System	LANSMONT	95-115D	M17656
Data Acquisition & Analysis System	LANSMONT	TP4 8A-CH SML	1115-001
ICP Accelerometer	PCB	353M288	190564

Lab Environmental Conditions:

Ambient temperature: (25 ± 3) °C

Ambient humidity: (55 ± 20) % RH

Test Location: No. 33, Wu Chyuan Road, New Taipei Industrial Park, WuKu District,

New Taipei City, Taiwan

Test Method/ Specification:

Test Method: IEC 60068-2-27 Edition 4.0: 2008 and client's request

Half-sine Pulse shape:

Acceleration: 50 g Pulse duration: 11 ms

Shock direction: 6 faces ($\pm X$, $\pm Y$, $\pm Z$ axes, see photo 8 ~ 13)

No. of shock: 3 shocks/axis (total 18 shocks)

- Sample condition: Operating
- Examine the appearance of specimen by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated power and then examine whether the test program "Burn-In" test could be work normally or not.

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Specimen:

Style/ Item No.: ECX-3000/ No.1

Quantity: Total 1 piece

Test Result:

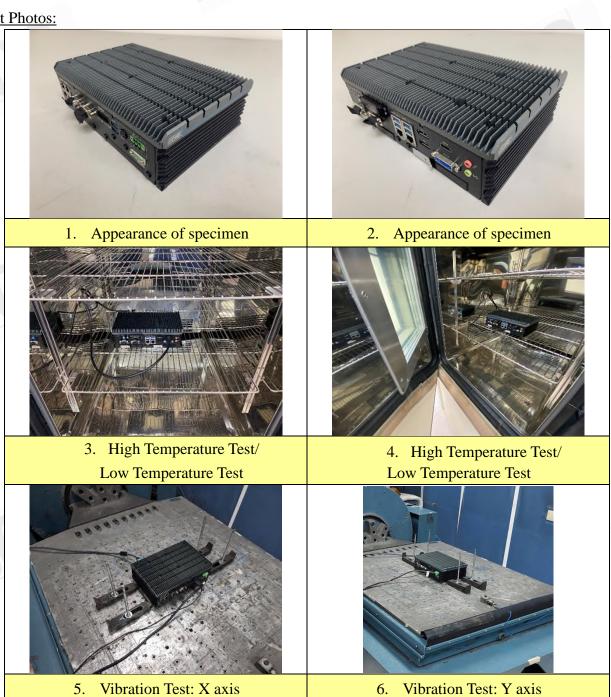
Check Item Style/ Item No.	Appearance Check (Visual check)	Functional check
ECX-3000/ No.1	No visible damage	Normal



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Test Photos:



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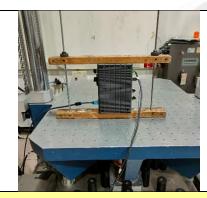
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Test Photos--Continued:



7. Vibration Test: Z axis



Mechanical Shock Test: +X axis



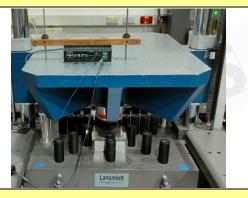
Mechanical Shock Test: -X axis



10. Mechanical Shock Test: +Y axis



11. Mechanical Shock Test: -Y axis



12. Mechanical Shock Test: +Z axis

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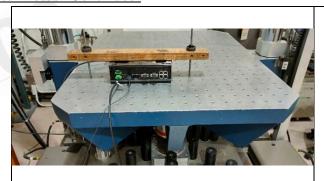
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Test Photos--Continued:



13. Mechanical Shock Test: -Z axis

14. Functional check

- The End of Test Report — —

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