

TEST REPORT

Report No.: HC40085/2024

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Date: April 24, 2024

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:

Product Description: Expandable Fanless Embedded System

Style/ Item No.: ECX-3200/ No.1

Quantity: Total 1 piece

Testing Period: Apr. 18, 2024

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

1. CPU: 12th Gen Intel® Core™ i7-12700 TE @1.40GHz
2. RAM: Gold key (Neo Forza) DDR5 4800 NON-ECC SODIMM 32GB x 2
3. SSD: Innodisk 2.5" SATA SSD 3ME4 128GB

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

Test Results: - PLEASE SEE ATTACHED SHEETS -

Signed for and on behalf of
SGS TAIWAN Ltd.



Hank Chiou
Asst. Manager

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1. Random 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
Vibration Tester	IMV	J260/SA7M	14101899
Controller	IMV	K2	14101899
Control Accelerometer	PCB	353B34	LW228240

Lab Environmental Conditions:

Ambient temperature: $(25 \pm 3) ^\circ\text{C}$

Ambient humidity: $(55 \pm 20) \% \text{RH}$

Test Location:

No.33, Wu Chyuan Road, New Taipei Industrial Park, WuKu District, New Taipei City, Taiwan

Test Method/ Specification:

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

Wave form: Random

Frequency: (5 ~ 500) 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 3 ~ 5)

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: Turn on the power of specimen then execute the test program "Burn-In Test" while performing functional check.

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Specimen:

Style/ Item No.: ECX-3200/ No.1






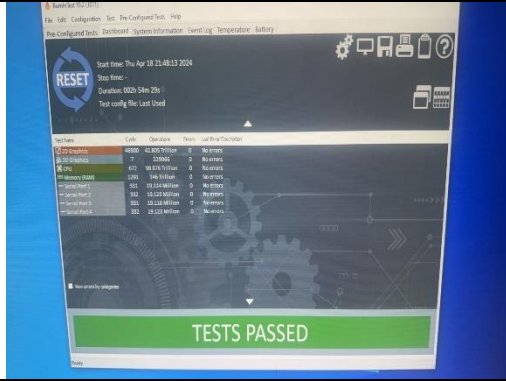
Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance Check (visual check)	Functional Check
ECX-3200/ No.1	No visible damage	Normal

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Test Photos:

	
<p>1. Appearance of specimen</p>	<p>2. Appearance of specimen</p>
	
<p>3. Random Vibration Test: X axis</p>	<p>4. Random Vibration Test: Y axis</p>
	
<p>5. Random Vibration Test: Z axis</p>	<p>6. Functional Check</p>

— — — The End of Test Report — — —

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