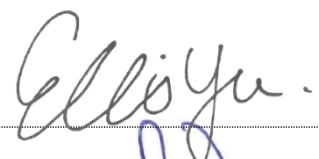
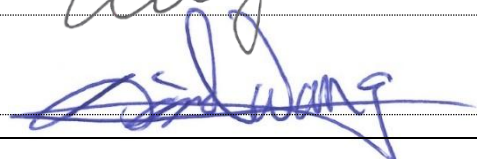


<b>TEST REPORT</b> <b>IEC 60068 Environmental Testing –</b> <b>Part 2-1 : Test A : Cold</b> <b>Part 2-78 : Test Cab : Damp heat, steady state</b> <b>Part 2-64 : Test Fh : Vibration, broadband random and guidance</b> <b>Part 2-27 : Test Ea and guidance: Shock</b>	
<b>Report Number</b> ..... : <b>2507008</b> <b>Date of issue</b> ..... : <b>2025-07-21</b> <b>Total number of pages</b> ..... : <b>11</b> <b>Tested by</b> (name, function, signature) ..... : Ellis Yu / Engineer <b>Approved by</b> (name, function, signature)..... : David Wang / Reviewer	 
<b>Testing Laboratory</b> <b>Name</b> ..... : Universal Certification Technology Co. Ltd. <b>Address</b> ..... : 13F-5, No. 93, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221, Taiwan. <b>Test Location</b> ..... : See page 3	
<b>Applicant</b> <b>Name</b> ..... : Vecow Co., Ltd. <b>Address</b> ..... : 3F., No.10, Jiankang Rd., Zhonghe Dist., New Taipei City 23686, Taiwan (R.O.C.)	
<b>Test item description</b> <b>Product name</b> ..... : High Performance Fanless System <b>Trade mark(s)</b> ..... : Vecow <b>Model /Type reference</b> ..... : ECX-4000-PoE <b>Rating</b> ..... : DC Power from Power adaptor	
<b>Test specification</b> <b>Standard</b> ..... : <input checked="" type="checkbox"/> IEC 60068-2-1: Edition 6.0: 2007 <input checked="" type="checkbox"/> IEC 60068-2-78: Edition 2.0: 2012 <input checked="" type="checkbox"/> IEC 60068-2-64: Edition 2.1: 2019 <input checked="" type="checkbox"/> IEC 60068-2-27: Edition 4.0: 2008 <b>Test procedure</b> ..... : Examine the appearance of specimen by visual check and perform functional check after the test	
<b>Test Result</b> ..... : <b>No visible Damage and Functional check Normal</b>	
<b>General disclaimer</b> The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing Testing Laboratory.	

**Testing :**

Dates of receipt of test item ..... : 2025-05-22

Date(s) of performance of tests ..... : 2025-05-29 ~ 2025-07-09

All test items completed in Universal Certification Technology Co. Ltd. except Mechanical Shock Test via SGS Taiwan Ltd.

**General product information and other remarks :**

1. Dimension of test object : 260.0mm x 175.0mm x 79.0mm (10.24" x 6.89" x 3.11")

2. Weight of test object : 3.8 kg (8.38 lb)

3. Interior Parts:

CPU: Intel® Core™ Ultra 9 285T @1.4GHz

RAM: Innodisk 32GB DDR5 4800 SODIMM x 2

SSD: Innodisk M.2 (P80) 1TB 4TG2-P

4. Test sample :

☒ Complete enclosure.

☐ Individually section of enclosure (see below test method)

5. During test, the EUT was operating.

6. The test sample was a pre-production sample without serial number.

7. (Client's declaration) The Configuration of Specimen(s) as shown Below : N/A

**Summary of compliance with standard:**

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. Low Temperature Test

2. Damp Heat Test

3. Vibration Test

4. Mechanical Shock Test

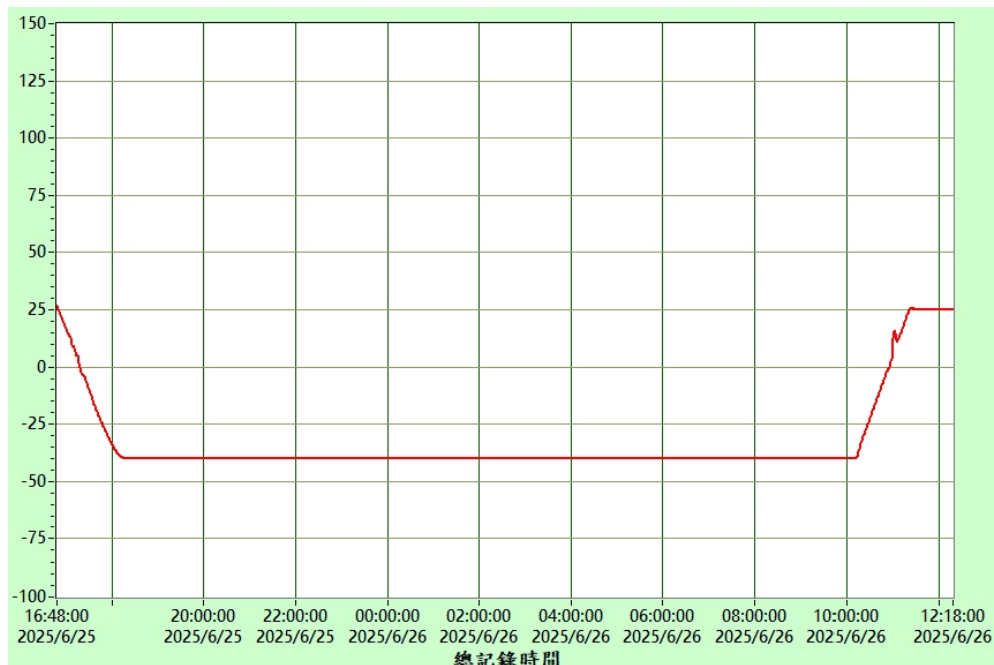
**Test Results :**

☒ - Please see attached Sheets

## 1. Low Temperature Test

Test Equipment :			
Name	Brand	Model	Serial No.
Programmable Temperature & Humidity Chamber	Giant Force	GTH-225-40-CP-AR	MAA2004-008
Test Laboratory Environment Condition :			
Temperature ( ° C)	Relative humidity (%)	Air pressure (kPa)	
15 ~ 35	25 ~ 75	86 ~ 106	
Test Location :			
13F-5, No. 93, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221, Taiwan.			
Test Method / Specification :			
IEC 60068-2-1 Edition 6.0: 2007 and client's request			

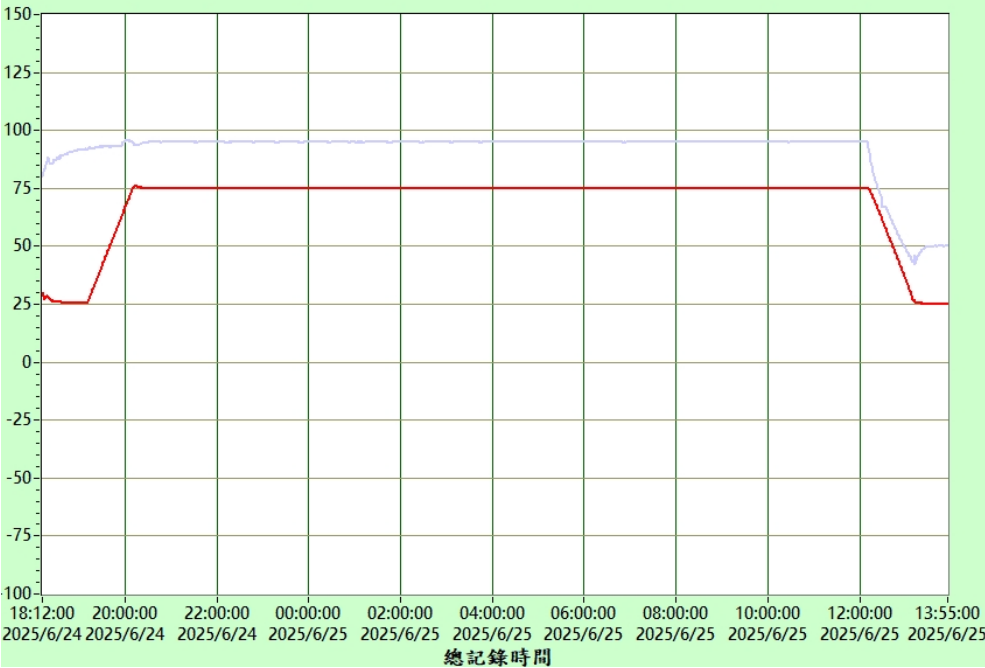
TABLE: Low Temperature Test		
Test temperature	Durations	Curve Chart
-40°C	16hr	during testing



## 2. Damp Heat Test

Test Equipment :			
Name	Brand	Model	Serial No.
Programmable Temperature & Humidity Chamber	Giant Force	GTH-225-40-CP-AR	MAA2004-008
Test Laboratory Environment Condition :			
Temperature ( ° C)	Relative humidity (%)	Air pressure (kPa)	
15 ~ 35	25 ~ 75	86 ~ 106	
Test Location :			
13F-5, No. 93, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221, Taiwan.			
Test Method / Specification :			
IEC 60068-2-78 Edition 2.0: 2012 and client's request			

TABLE: Damp Heat Test			
Test temperature	Test Humidity	Durations	Curve Chart
75°C	95% RH	16hr	during testing

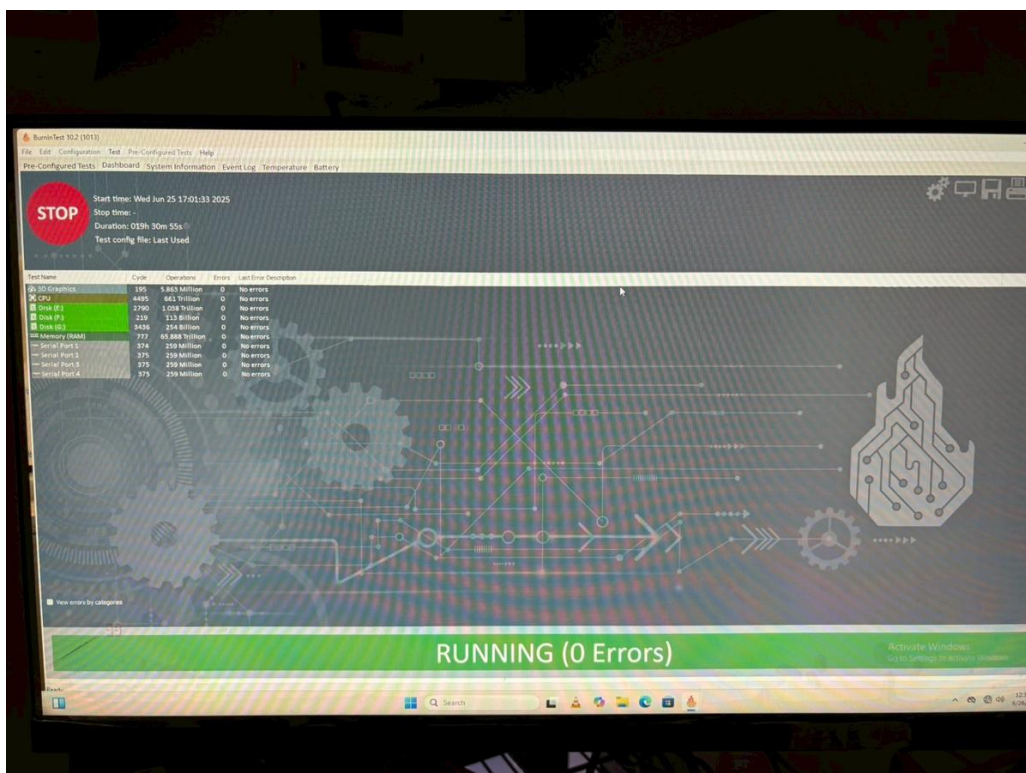


總記錄時間

## Test Photos



## Functional Check





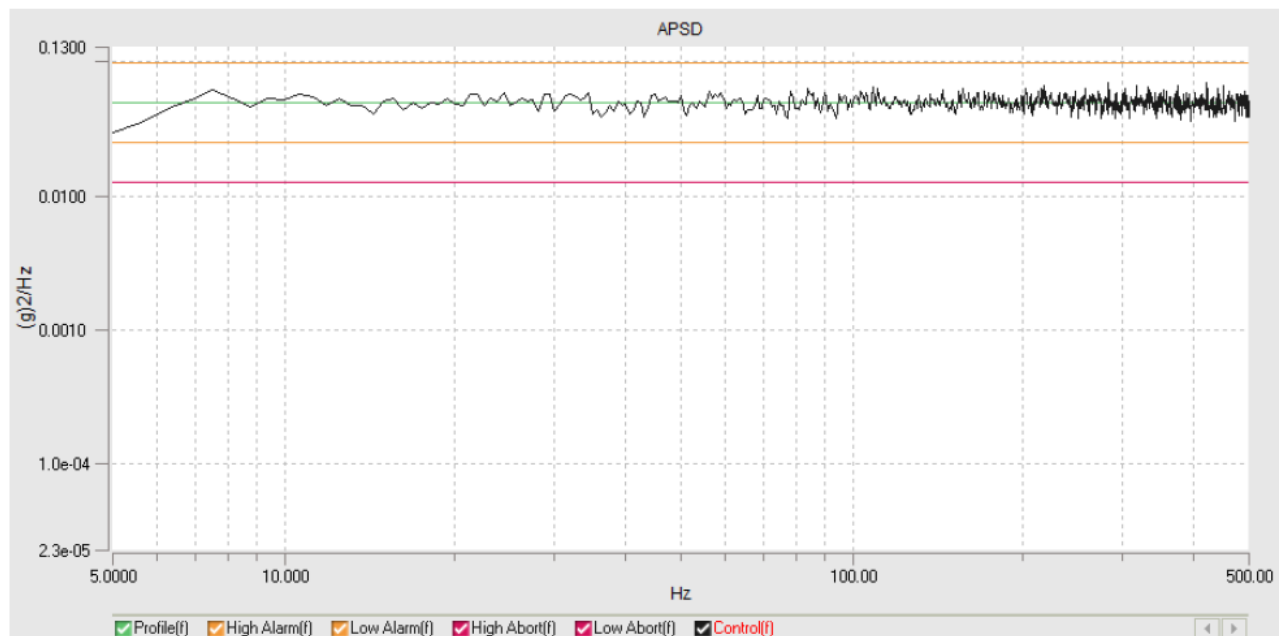
### 3. Vibration Test

Test Equipment :			
Name	Brand	Model	Serial No.
Vibration Tester	Vibration Source	ZVS-600VH-51	E113006
Controller	Vibration Source	VST-9008	395352176
Test Laboratory Environment Condition :			
Temperature (°C)	Relative humidity (%)	Air pressure (kPa)	
15 ~ 35	25 ~ 75	86 ~ 106	
Test Location :			
13F-5, No. 93, Sec. 1, Xintai 5th Rd., Xizhi Dist., New Taipei City 221, Taiwan.			
Test Method / Specification :			
<b>IEC 60068-2-64: Edition 2.1: 2019 and client's request</b> <b>Vibration – operation</b> <b>Wave form: Random</b> <b>Test Frequency: (5~500 Hz)</b>			
Frequency (Hz)	Left Slope(dB/Oct)	PSD(g <sup>2</sup> /Hz)	Right Slope (dB/Oct.)
5	-	0.0504951	0
500	0	0.0504951	-
➔equivalent to 5.0 grms			
<b>Direction: X, Y, Z axis (see photo 1 ~ 3)</b> <b>Duration: 30 minute / axis</b>			
Test Procedure:			
<ul style="list-style-type: none"> <li>- Check the sample's appearance before the test.</li> <li>- Install the sample on the testing table and set up testing condition.</li> <li>- After testing, take off sample from the table and put them in the storage area.</li> <li>- Observe the sample and record for any visible change after testing.</li> </ul>			
Summary:			
<ul style="list-style-type: none"> <li>- No visible damage was found on sample appearance after the test.</li> <li>- Sample photo after the test:</li> </ul>			

**Test profile: X axis**

Test Name: 5-500H~1.UCN Object name: Object Type:

Test Type: Random Test Project Name: 0H~1.UCN.ucn



Current Level: 100.00 % Demand RMS: 4.999 g Control RMS: 5.001 g

Frame Time: 1.6000 (s) Lines: 800 dF: 0.6 Hz

DOF: 120 Current Level Time: 00:30:00 Remaining Time: 00:00:00

Data was saved as a file at time: 2025-6-10 PM 09:18:16

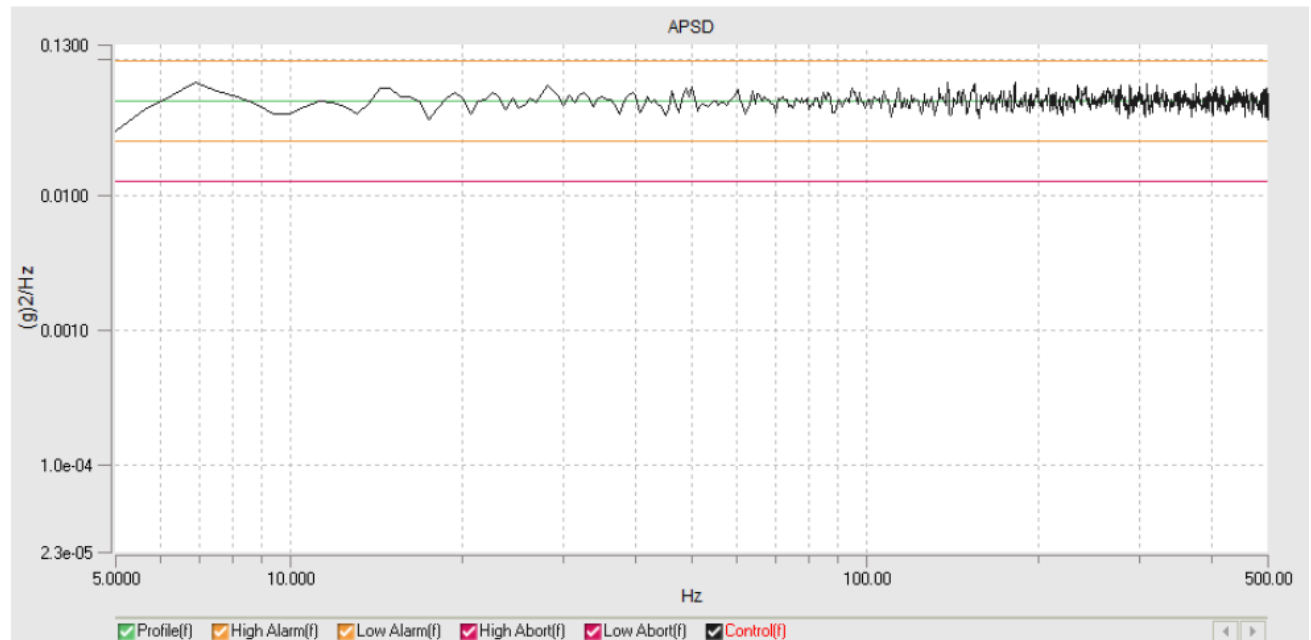
Begin Time: 2025-6-10 PM 08:46:57

End Time: 2025-6-10 PM 09:18:16

**Test profile: Y axis**

Test Name: 5-500H~1.UCN Object name: Object Type:

Test Type: Random Test Project Name: 0H~1.UCN.ucn



Current Level: 100.00 % Demand RMS: 4.999 g Control RMS: 5.010 g

Frame Time: 1.6000 (s) Lines: 800 dF: 0.6 Hz

DOF: 120 Current Level Time: 00:30:00 Remaining Time: 00:00:00

Data was saved as a file at time: 2025-6-10 PM 08:24:28

Begin Time: 2025-6-10 PM 07:52:57

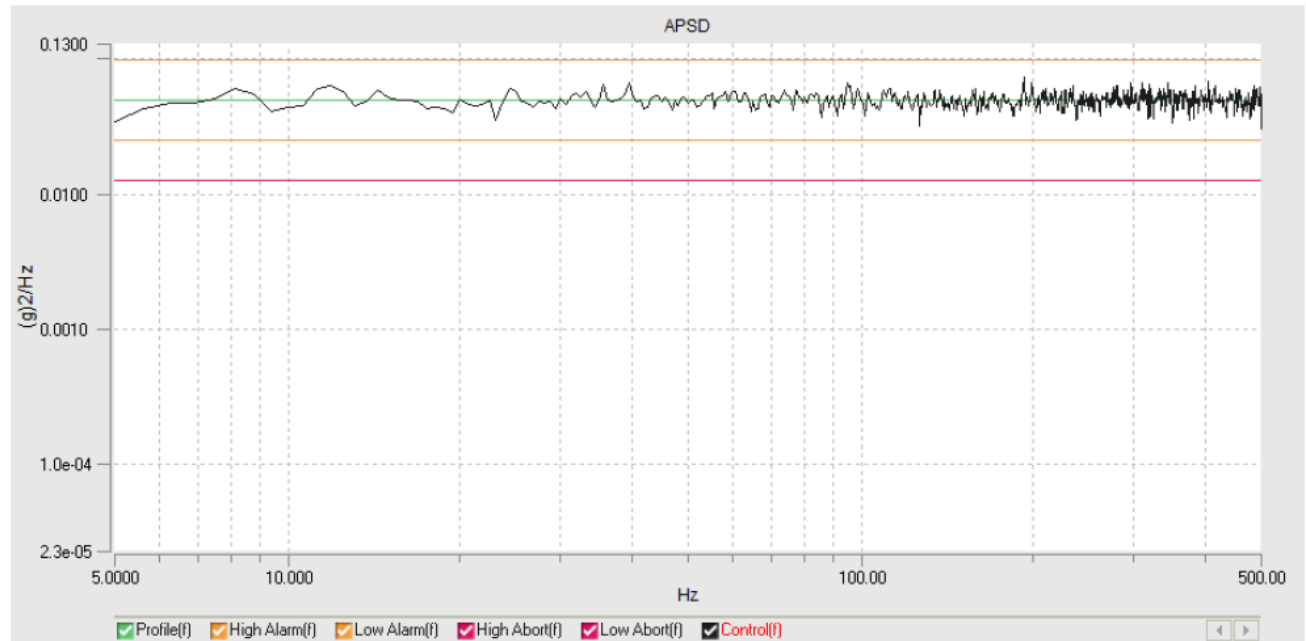
End Time: 2025-6-10 PM 08:24:28



**Test profile: Z axis**

Test Name: 5-500H~1.UCN Object name: Object Type:

Test Type: Random Test Project Name: 0H~1.UCN.ucn



Current Level: 100.00 % Demand RMS: 4.999 g Control RMS: 4.990 g

Frame Time: 1.6000 (s) Lines: 800 dF: 0.6 Hz

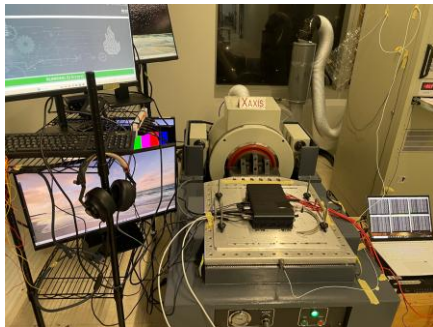
DOF: 120 Current Level Time: 00:30:00 Remaining Time: 00:00:00

Data was saved as a file at time: 2025-5-29 PM 05:19:51

Begin Time: 2025-5-29 PM 04:48:27

End Time: 2025-5-29 PM 05:19:51

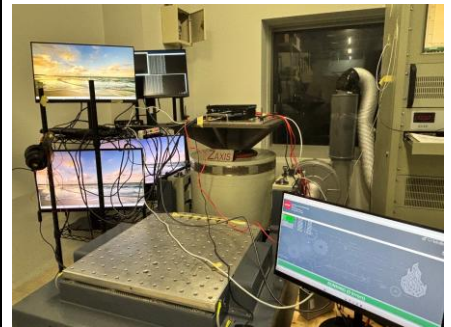
## Test photos



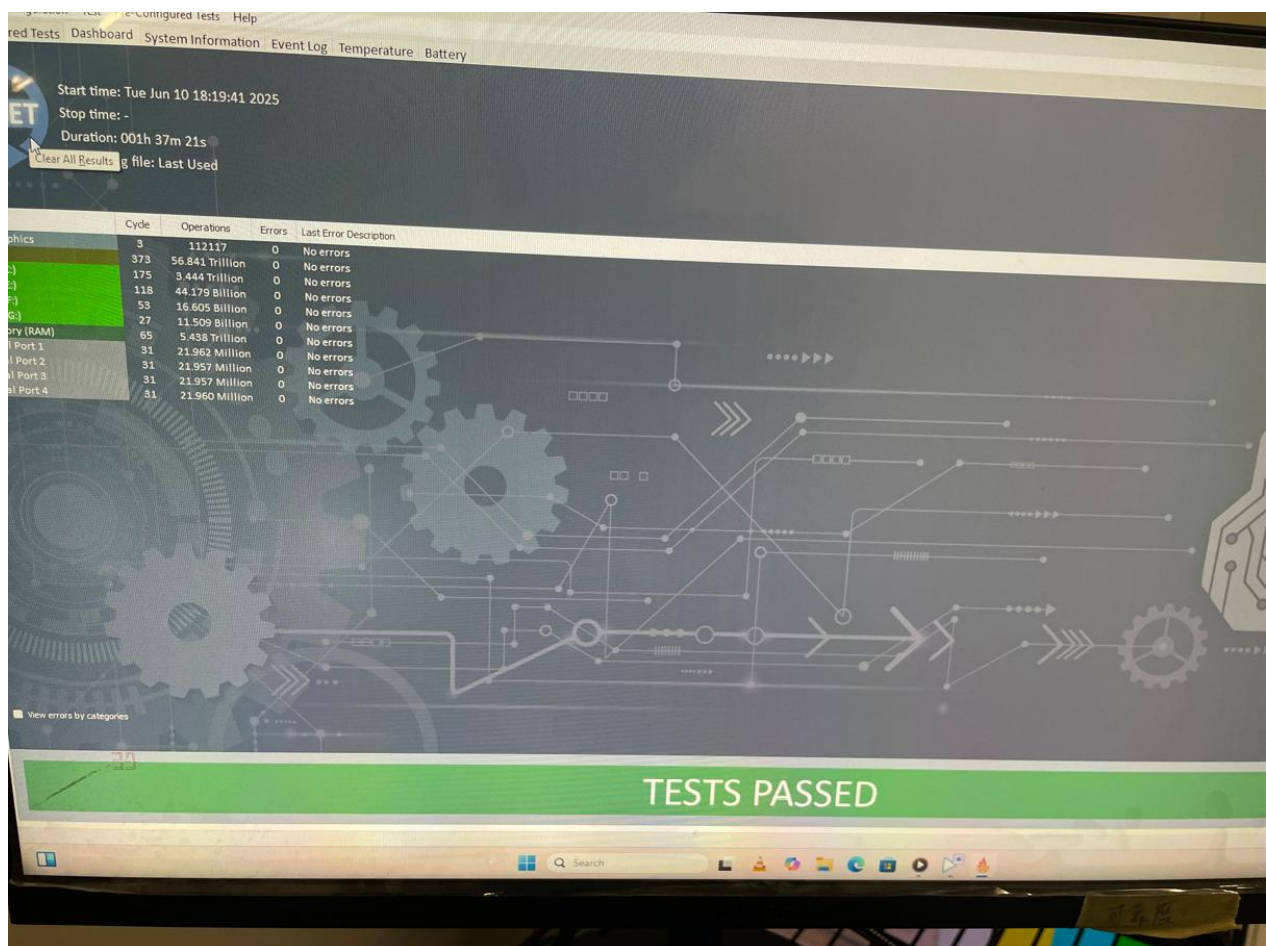
1. X axis



2. Y axis



3. Z axis



## Functional Check





**EUT Photograph**



**EUT Photograph**

— — — The End of Test Report — — —

## TEST REPORT

Report No.: HC60142A/2025

Page: 1 of 5

Date: July 18, 2025

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: High-performance Fanless system  
Style/ Item No.: ECX-4000-PoE/ No.1  
Quantity: Total 1 piece  
Testing Period: Jul. 9, 2025  
Note: CPU: Intel® Core™ Ultra 9 285T @1.4GHz  
RAM: Innodisk 32GB DDR5 4800 SODIMM x 2  
SSD: Innodisk M.2 (P80) 1 TB 4TG2-P

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. Operating Mechanical Shock Test

Test Results: - PLEASE SEE ATTACHED SHEETS -

\*HC60142/2025, dated on July 15, 2025, is hereby canceled and replaced by HC60142A/2025.

Signed for and on behalf of  
SGS TAIWAN Ltd.



Alex Chen  
Supervisor

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## TEST REPORT

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1. Operating Mechanical Shock Test:Test Equipment:

Name	Brand	Model	Serial No.
Shock Test System	LANSMONT	95/115D	M-17656
Accelerometer	PCB	353M288	196436

Lab Environmental Conditions:Ambient temperature:  $(25 \pm 3) ^\circ\text{C}$ Ambient humidity:  $(55 \pm 20) \% \text{ RH}$ Test Location:

No.31, Wu Chyuan Road, New Taipei Industrial Park, WuKu District,  
New Taipei City, Taiwan

Test Method/ Specification:Test method: IEC 60068-2-27 Edition 4.0: 2008 and client's requestSample condition: OperatingPulse shape: Half-sineAcceleration: 50 gPulse duration: 11 msShock direction: 6 faces ( $\pm X, \pm Y, \pm Z$  axes)No. of shocks: 3 shocks/ axis (total 18 shocks)

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen(s) with rated power then examine whether the test program "BurnIn Test" could work normally or not.

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Reliability Laboratory

## TEST REPORT

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### Specimen:

Style/ Item No.: ECX-4000-PoE/ No.1

Quantity: Total 1 piece

### Test Result:

Style/ Item No.	Check Item	Appearance Check (Visual check)	Functional Check
	ECX-4000-PoE/ No.1	No visible damage	Normal

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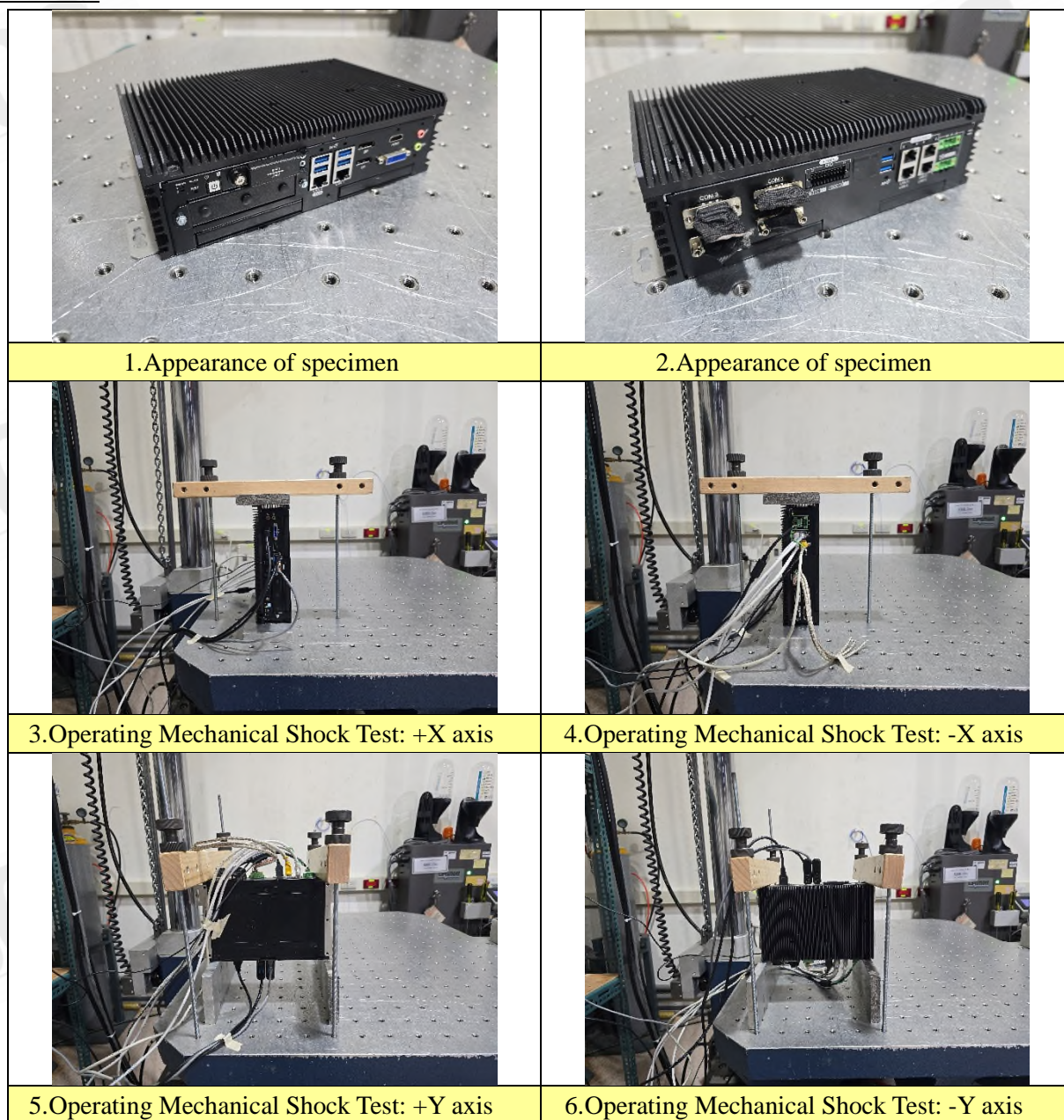


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### Test Photos:



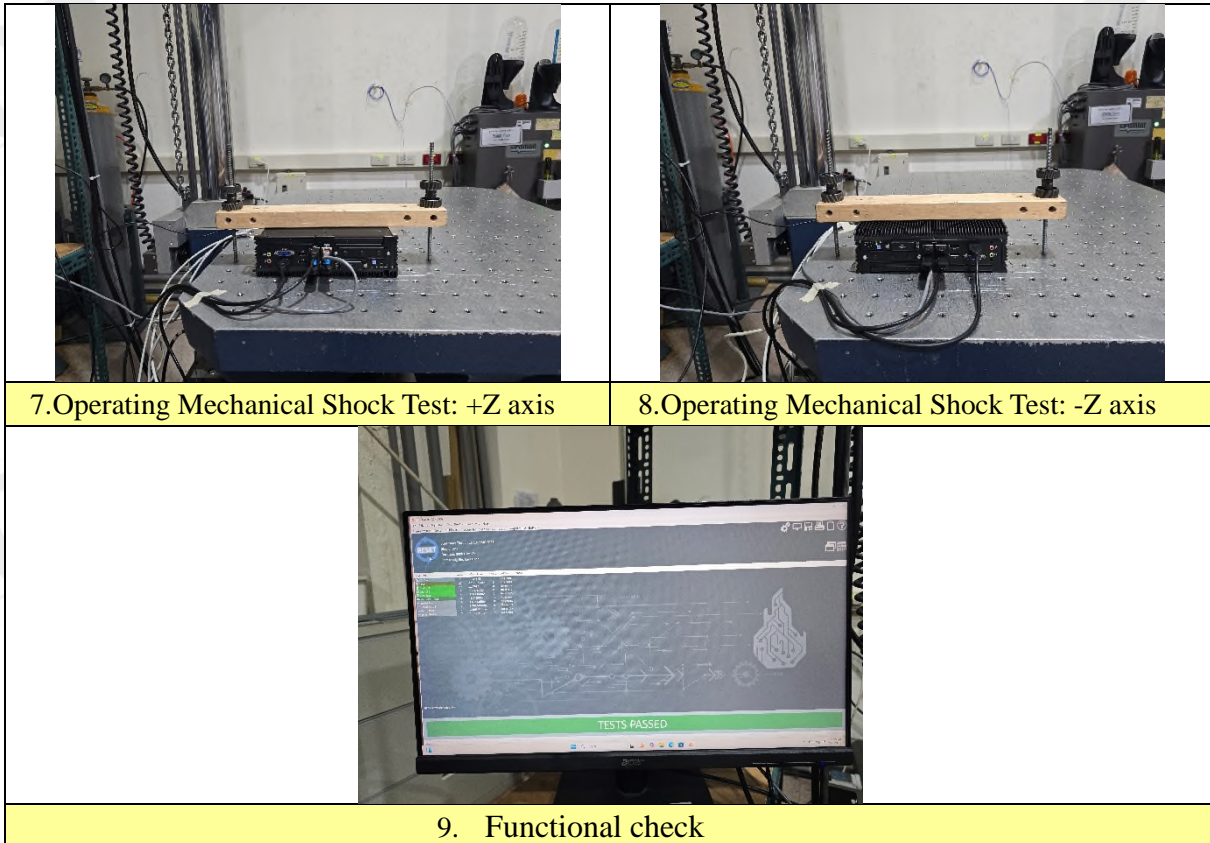
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### Test Photos--Continued:



— — — The End of Test Report — — —

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