



Reliability Laboratory

TEST REPORT

Report No.: HC10135/2011

Page: 1 of 7

Date: January 28, 2011

NEOUSYS TECHNOLOGY INC.
13 F-1, NO. 1, BAOSHENG RD.,
YOUHE CITY, TAIPEI COUNTY, TAIWAN, R.O.C.

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

Product Description: Fanless Controller
Style/ Item No.: Nuvo-1005S-620M/ No.1
Manufacturer/ Vendor: Neousys Technology Inc.
Quantity: Total 1 piece
Testing Period: Jan. 25, 2011 to Jan. 26, 2011

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.

Terence Hsieh
Manager - Operation

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TEST REPORT

Report No.: HC10135/2011

Page: 2 of 7

1. Random Vibration Test:

Test Equipment:

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

Lab Environmental Conditions:Ambient temperature: $25 \pm 3^{\circ}\text{C}$ Relative humidity: $55 \pm 20\% \text{RH}$ Test Method/ Specification:Test method: Reference to IEC 60068-2-64Sample condition: OperatingWave form: RandomFrequency: 5 ~ 500 Hz

Frequency (Hz)	Left Slope (dB/Oct.)	PSD $[(\text{m/s}^2)^2/\text{Hz}]$	Right Slope (dB/Oct.)
5	-	0.02	3.98
10	3.98	0.05	0
500	0	0.05	-
\Rightarrow equivalent to $4.97 (\text{m/s}^2)_{\text{rms}}$			

Direction: X, Y, Z axes (see photo 2 ~ 4)Duration: 30 minutes/ axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with rated power, then turn on the power of specimen. Execute the test program "Burn in test" while performing functional check under Windows XP Operating System.

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Reliability Laboratory

TEST REPORT

Report No.: HC10135/2011

Page: 3 of 7

Specimen:

Style/ Item No.: Nuvo-1005S-620M/ No.1

Quantity : Total 1 piece

Test Result:

Style/ Item No.	Check Item	Appearance Check (Visual Check)	Functional Check
	Nuvo-1005S-620M/ No.1	No visible damage	Normal

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TEST REPORT

Report No.: HC10135/2011

Page: 4 of 7

2. Mechanical Shock Test:Test Equipment:

Name	Brand	Model	Serial No.
Shock Test System	LANSMONT	65-81 TTSII	M-13418
Data Acquisition & Analysis System	LANSMONT	103570-2-B	0503-73
ICP Accelerometer	PCB	353B14	79713

Lab Environmental Conditions:Ambient temperature: 25±3°CRelative humidity: 55±20%RHTest Method/ Specification:Test method: Reference to IEC 60068-2-27Sample Condition: OperatingPulse shape: Half-sineAcceleration: 50 GPulse duration: 11 msShock direction: +X, +Y, +Z axes (see photo 5 ~ 10)No. of shock: 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 with rated power, then turn on the power of specimen. Execute the test program "Burn in test" while performing functional check under Windows XP Operating System.

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TEST REPORT

Report No.: HC10135/2011

Page: 5 of 7

Specimen:

Style/ Item No.: Nuvo-1005S-620M/ No.1

Quantity : Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance Check (Visual Check)	Functional Check
Nuvo-1005S-620M/ No.1	No visible damage	Normal

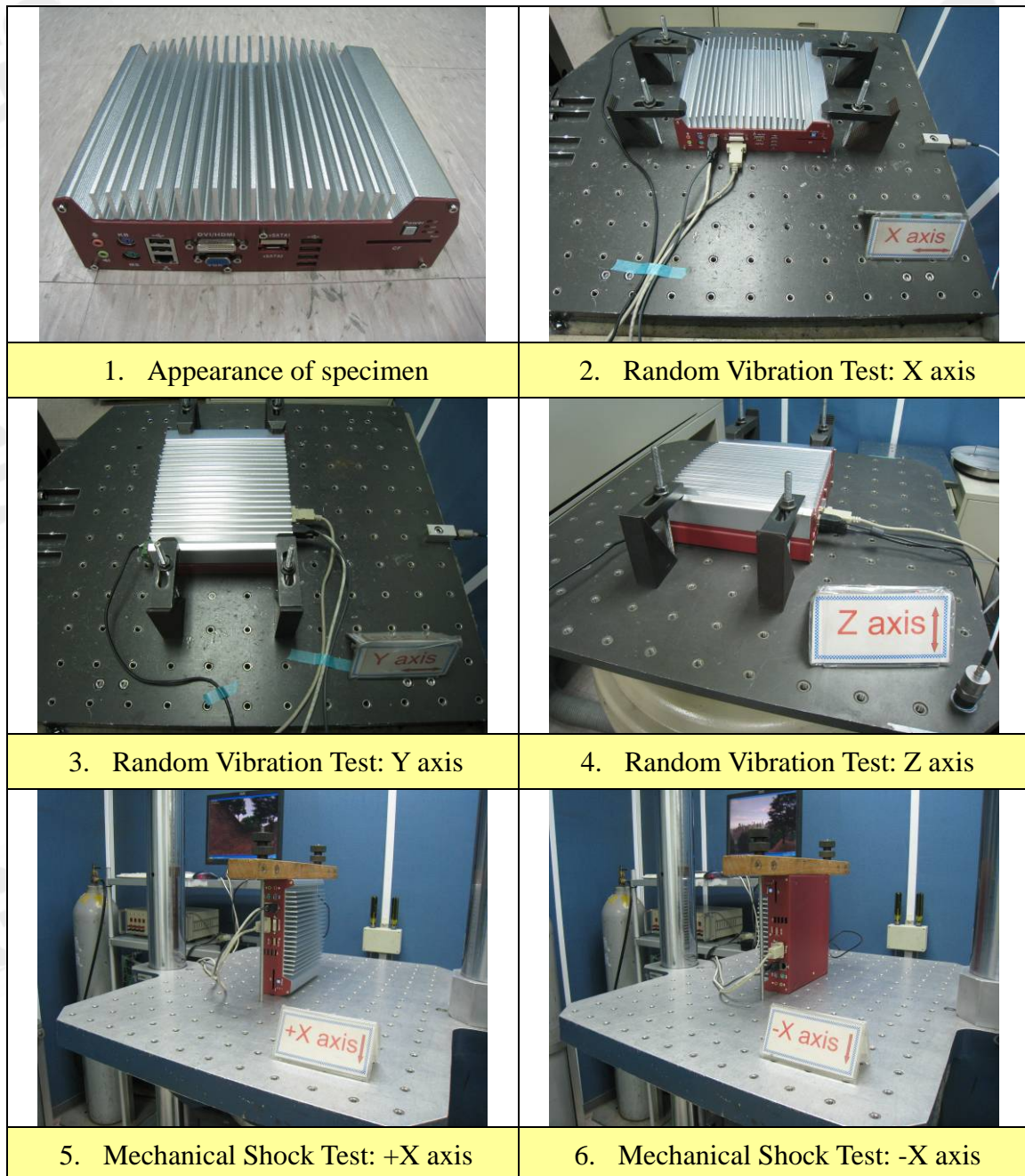
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TEST REPORT

Report No.: HC10135/2011

Page: 6 of 7

Test Photos:



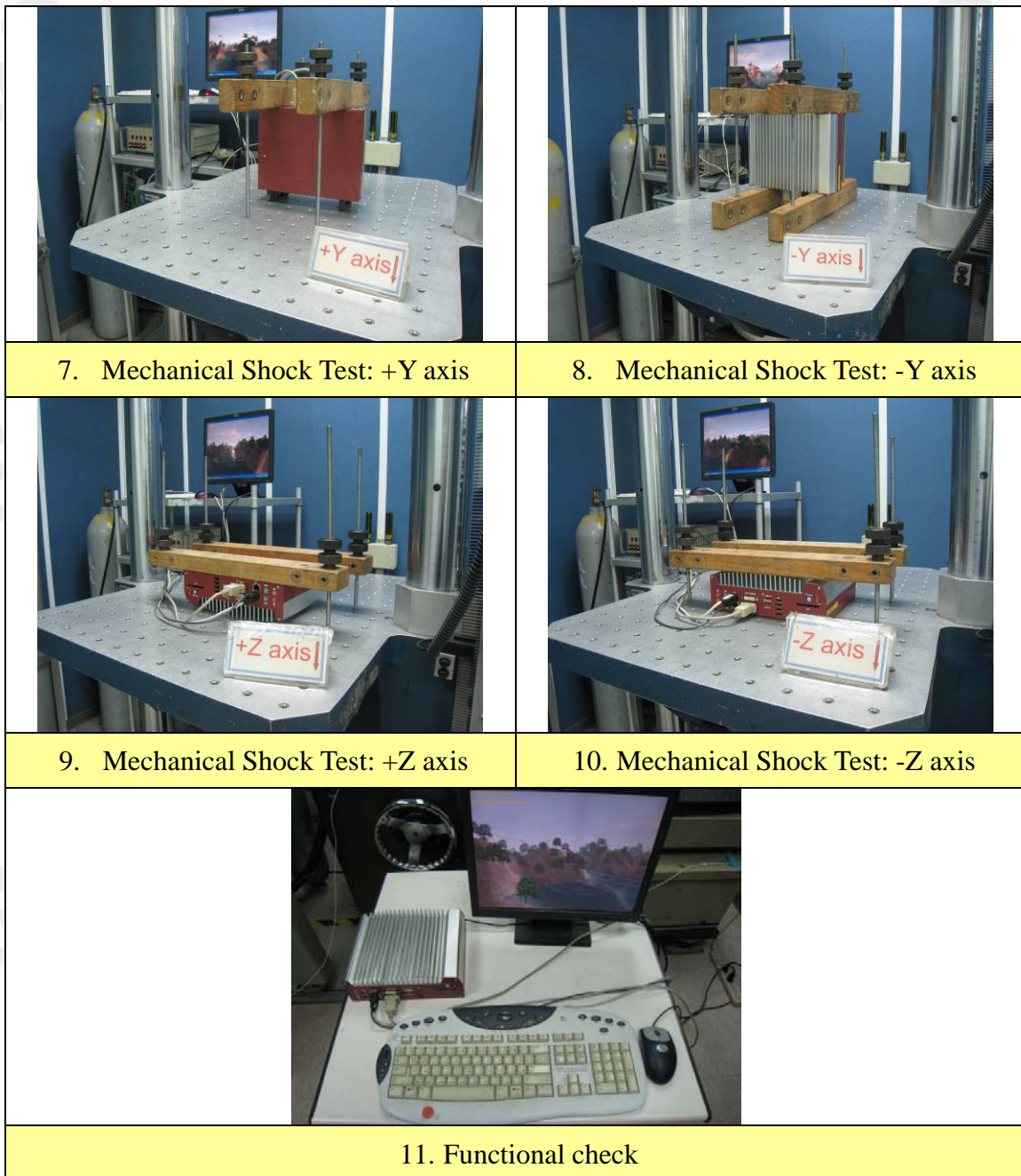
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TEST REPORT

Report No.: HC10135/2011

Page: 7 of 7

Test Photos--Continued:



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