Reliability Laboratory

TEST REPORT

Report No.: HC30148A/2007
Page: 1 of 11
Date: April 28, 2008

KORENIX TECHNOLOGIES CO., LTD.
15 F, NO. 98, MING-CHUAN RD.,
SHING TIEN CITY, TAIPEI, TAIWAN

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

Product Description:	Industrial 7 + 3-G Port Managed Gigabit Ethernet Switch
Style/ Item No.:	JetNet5010G/ No.1
Quantity:	Total 1 piece
Testing Period:	Mar. 8, 2007 to Mar. 15, 2007
Note:	(Client's declaration) Industrial 7+3-G Gigabit Ethernet Switch (JetNet3010G); Industrial 7+3-G Gigabit Ethernet Switch (JetNet3010GT); Industrial 7 + 3-100FX Fast Ethernet Switch (JetNet3010) Above the specimen(s) are the same (such as design, component, appearance of specimen, …etc.)

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 Vibration test--I
2. Operating Vibration test--II
3. Mechanical Shock Test

Test Results: – PLEASE SEE ATTACHED SHEETS –

*HC30148/2007, dated March 20, 2007, is hereby canceled and replaced by HC30148A/2007.

Terence Hsieh
Asst. Manager

1. Operating Vibration test--I:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B04	89582

Lab Environmental Conditions:

Ambient temperature: 25±3℃
Relative humidity: 55±20%RH

Test Method/ Specification:

Sample condition: Operating
Wave form: Sinusoidal
Frequency: 5~100 Hz
Amplitude(D_{p-p}): 2 mm (5~13.2 Hz)
Acceleration 0.7 G (13.2~100 Hz)
Sweep rate: 1 octave/ minute
Direction: X, Y, Z axes (see photo 3~ 8)
Test duration: 90 minutes/ axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with PC via RJ-45 port and examine the Network Connecting Function of specimen could be work normally or not.

Specimen:

Style/ Item No.: JetNet5010G/ No.1
Quantity: Total 1 piece

Test Result:

Check Item / Style / Item No.	Appearance check (Visual check)	Functional check
JetNet5010G/ No.1	No visible damage	Normal

2. Operating Vibration test--II:

Test Equipment:

Name	Brand	Model	Serial No.
Vibration Test System	UNHOLTZ-DICKIE	SAI60-H560BAC/2/ST	474
Controller	Dactron	LASER	7110357
Control Accelerometer	PCB	353B04	89582

Lab Environmental Conditions:

Ambient temperature: 25±3℃
Relative humidity: 55±20%RH

Test Method/ Specification:

Sample condition: Operating
Wave form: Sinusoidal
Frequency: 3~50 Hz
Amplitude(D_{p-p}): 7 mm (3~9 Hz)
Acceleration 1.0 G (9~50 Hz)
Sweep rate: 1 octave/ minute
Direction: X, Y, Z axes (similar to photo 3~ 8)
Test duration: 90 minutes/ axis

- Examine the appearance of specimen(s) by visual check and perform functional check after this test.
- Functional check: Connect the specimen with PC via RJ-45 port and examine the Network Connecting Function of specimen could be work normally or not.

Specimen:

Style/ Item No.: JetNet5010G/ No.1
Quantity: Total 1 piece

Test Result:

Check Item / Style / Item No.	Appearance check (Visual check)	Functional check
JetNet5010G/ No.1	No visible damage	Normal

3. 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℃
Relative humidity: 55±20%RH

Test Method/ Specification:

Test method: Reference to IEC 60068-2-27
Sample condition: Operating
Pulse shape: Half sine
Acceleration: 50 G
Pulse duration: 11 ms
Shock direction: 6 faces (±X, ±Y, ±Z axes. See photo 9 ~ 20)
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 PC via RJ-45 port and examine the Network Connecting Function of specimen could be work normally or not.

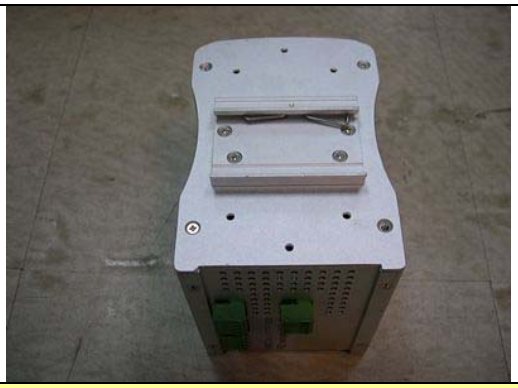
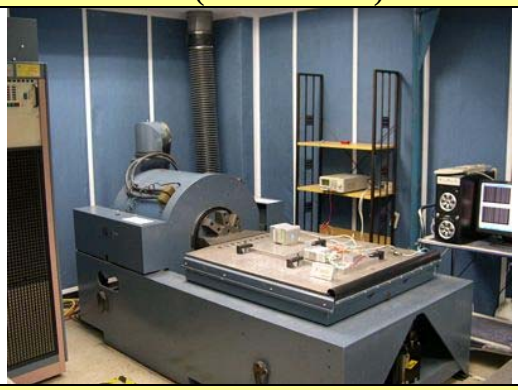
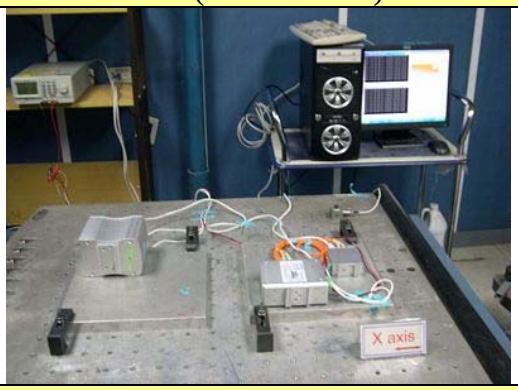
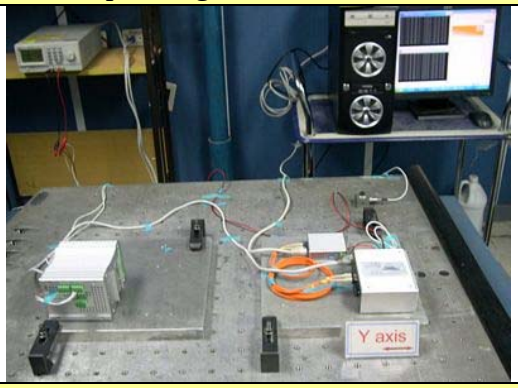
Specimen:

Style/ Item No.: JetNet5010G/ No.1
Quantity: Total 1 piece

Test Result:

Check Item / Style / Item No.	Appearance check (Visual check)	Functional check
JetNet5010G/ No.1	No visible damage	Normal

Test Photos:

<table>
<tr><td> 
</td><td>  </td></tr>
<tr><td>1. Appearance of specimen (JetNet5010G)</td><td>2. Appearance of specimen (JetNet5010G)</td></tr>
<tr><td>  </td><td> 
</td></tr>
<tr><td>3. Operating Vibration test: X axis</td><td>4. Operating Vibration test: X axis</td></tr>
<tr><td>  </td><td> 
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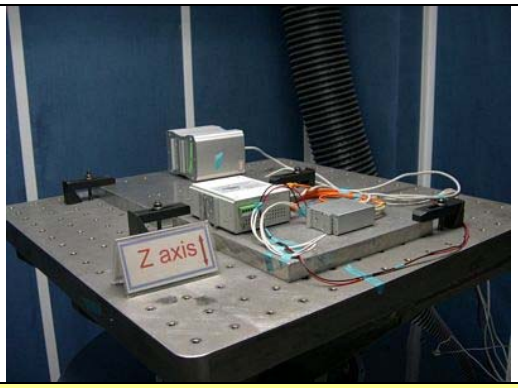
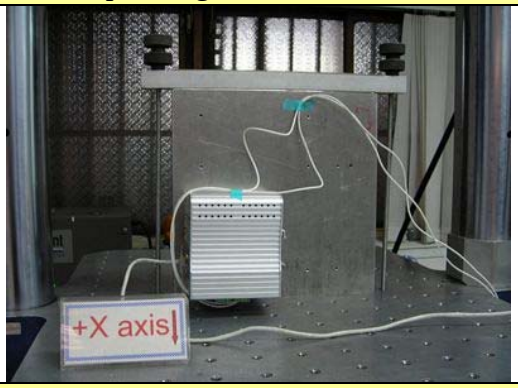
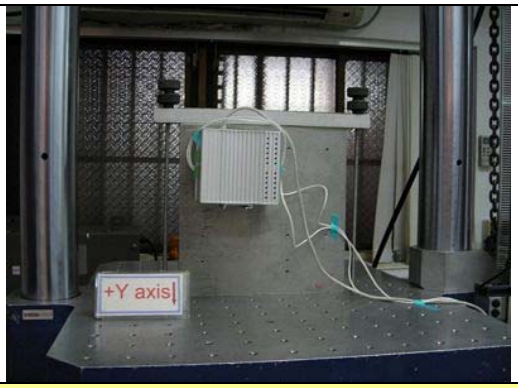
<tr><td>5. Operating Vibration test: Y axis</td><td>6. Operating Vibration test: Y axis</td></tr>
</table>

Test Photos--Continued:

	
7. Operating Vibration test: Z axis	8. Operating Vibration test: Z axis
	
9. Mechanical Shock Test: +X axis	10. Mechanical Shock Test: +X axis
	
11. Mechanical Shock Test: -X axis	12. Mechanical Shock Test: -X axis

Test Photos--Continued:

<table>
<tr><td>  </td><td> 
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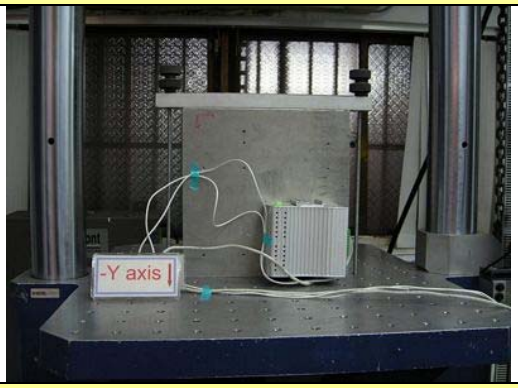
<tr><td>13. Mechanical Shock Test: +Y axis</td><td>14. Mechanical Shock Test: +Y axis</td></tr>
<tr><td>  </td><td> 
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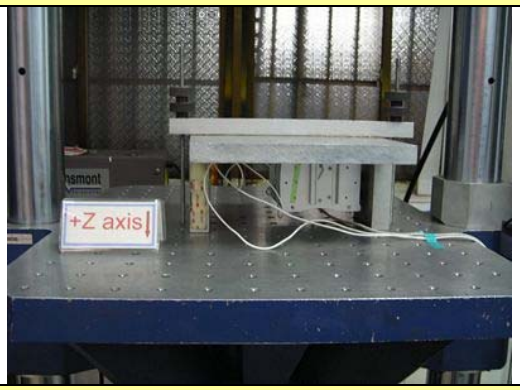
<tr><td>15. Mechanical Shock Test: -Y axis</td><td>16. Mechanical Shock Test: -Y axis</td></tr>
<tr><td>  </td><td> 
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<tr><td>17. Mechanical Shock Test: +Z axis</td><td>18. Mechanical Shock Test: +Z axis</td></tr>
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Test Photos--Continued:

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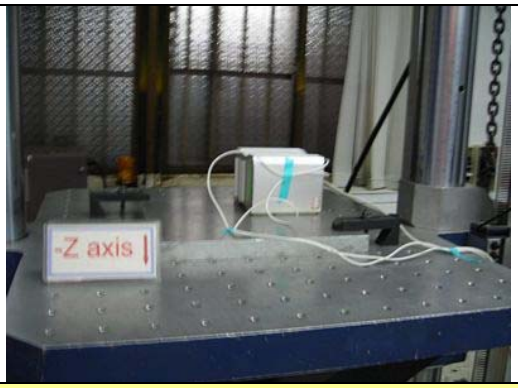
<tr><td>  </td><td> 
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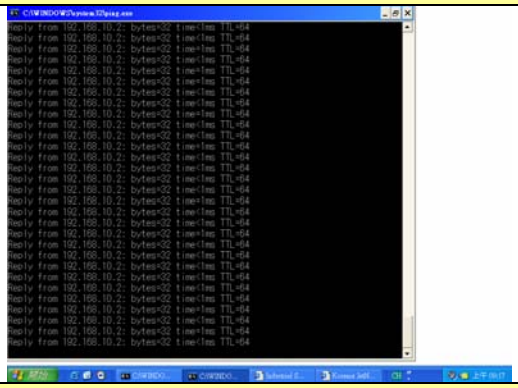
<tr><td>19. Mechanical Shock Test: -Z axis</td><td>20. Mechanical Shock Test: -Z axis</td></tr>
<tr><td>  </td><td> 
</td></tr>
<tr><td>21. Functional check</td><td>22. Functional check</td></tr>
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