

## TEST REPORT

Report No.: HC50028A/2013

Page: 1 of 11

Date: April 16, 2019

ORING INDUSTRIAL NETWORKING CORP.

3F., NO. 542-2, ZHONGZHENG RD., XINDIAN DIST.,  
NEW TAIPEI CITY, TAIWAN, R.O.C.

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

Product Description: Industrial mini type Gigabit Ethernet to fiber media converter with  
1x100/1000Base-T(x) to 1x100/1000Base-X, SFP socket

Style/ Item No.: IGMC-111GPB/ No. 1

Country of Origin: Taiwan

Quantity: Total 1 piece

Testing Period: May 29, 2013 to Jul. 3, 2013

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. Drop Test
2. Sinusoidal Vibration Test
3. Mechanical Shock Test

Test Results : -PLEASE SEE ATTACHED SHEETS-

\*HC50028/2013, dated on July 5, 2013, is hereby canceled and replaced by HC50028A/2013.

Signed for and on behalf of  
SGS TAIWAN Ltd.



Allen Wang  
Asst. Supervisor

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## 1. Drop Test:

### Test Equipment:

Name	Brand	Model	Serial No.
Drop Tester	King Design	KD-128A	WR112197097

### Lab Environmental Conditions:

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

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

### Test Method/ Specification:

Test Method: IEC 60068-2-31, Edition 2.0: 2008 and client's request

Sample condition: Packaged

Container size: L: 510 mm W: 325 mm H: 235 mm

Weight: 8.28 kg

Drop height: 100 cm

Drop sequence: 1 corner, 3 edges and 6 faces (total 10 drops, as shown in photo 7 ~ 16)

Test surface: Steel plate of 1cm thickness

- There is 1 piece of product and 9 pieces of dummy product packing into carton.
- Examine the appearance of specimen by visual check and perform functional check before and after this test.
- Functional check: Connect the specimen with rated power and NB via RJ45 port then examine whether the ping test of specimen could be work normally or not.

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Specimen:

Style/ Item No.: IGMC-111GPB/ No. 1

Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance check (Visual check)	Functional check
IGMC-111GPB/ No. 1	No visible damage	Normal

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## 2. Sinusoidal 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	143549

### Lab Environmental Conditions:

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

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

### Test Method/ Specification:

Test Method: IEC 60068-2-6, Edition 7.0: 2007 and client's request

Sample condition: Operating (Execute test program "ping test")

Wave form: Sinusoidal

Frequency: (1 ~ 150) Hz

Amplitude ( $D_{p-p}$ ): 30 mm (1Hz~ 9.19Hz)

Acceleration: 50 m/s<sup>2</sup> (9.19Hz~ 150Hz)

Sweep rate: 1 octave/ minute

Direction: X, Y, Z axes (See photo 17 ~19)

Test duration: 10 sweep cycles/ axis

- Examine the appearance of specimen by visual check and perform functional check before and after this test.
- Functional check: Connect the specimen with rated power and NB via RJ45 port then examine whether the ping test of specimen could be work normally or not.

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Specimen:

Style/ Item No.: IGMC-111GPB/ No. 1

Quantity: Total 1 piece

Test Result:

Check Item Style/ Item No.	Appearance check (Visual check)	Functional check
IGMC-111GPB/ No. 1	No visible damage	Normal

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### 3. Mechanical Shock 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	143549

#### Lab Environmental Conditions:

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

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

#### Test Method/ Specification:

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

Sample condition: Operating (Execute test program "ping test")

Pulse shape: Half-sine

Acceleration: 300 m/s<sup>2</sup>

Pulse duration: 6 ms

Shock direction:  $\pm X, \pm Y, \pm Z$  axes (See photo 17 ~ 19)

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

- Examine the appearance of specimen by visual check and perform functional check before and after this test.
- Functional check: Connect the specimen with rated power and NB via RJ45 port then examine whether the ping test of specimen could be work normally or not.

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**Specimen:**

Style/ Item No.: IGMC-111GPB/ No. 1

Quantity: Total 1 piece

**Test Result:**

Check Item Style/ Item No.	Appearance check (Visual check)	Functional check
IGMC-111GPB/ No. 1	No visible damage	Normal

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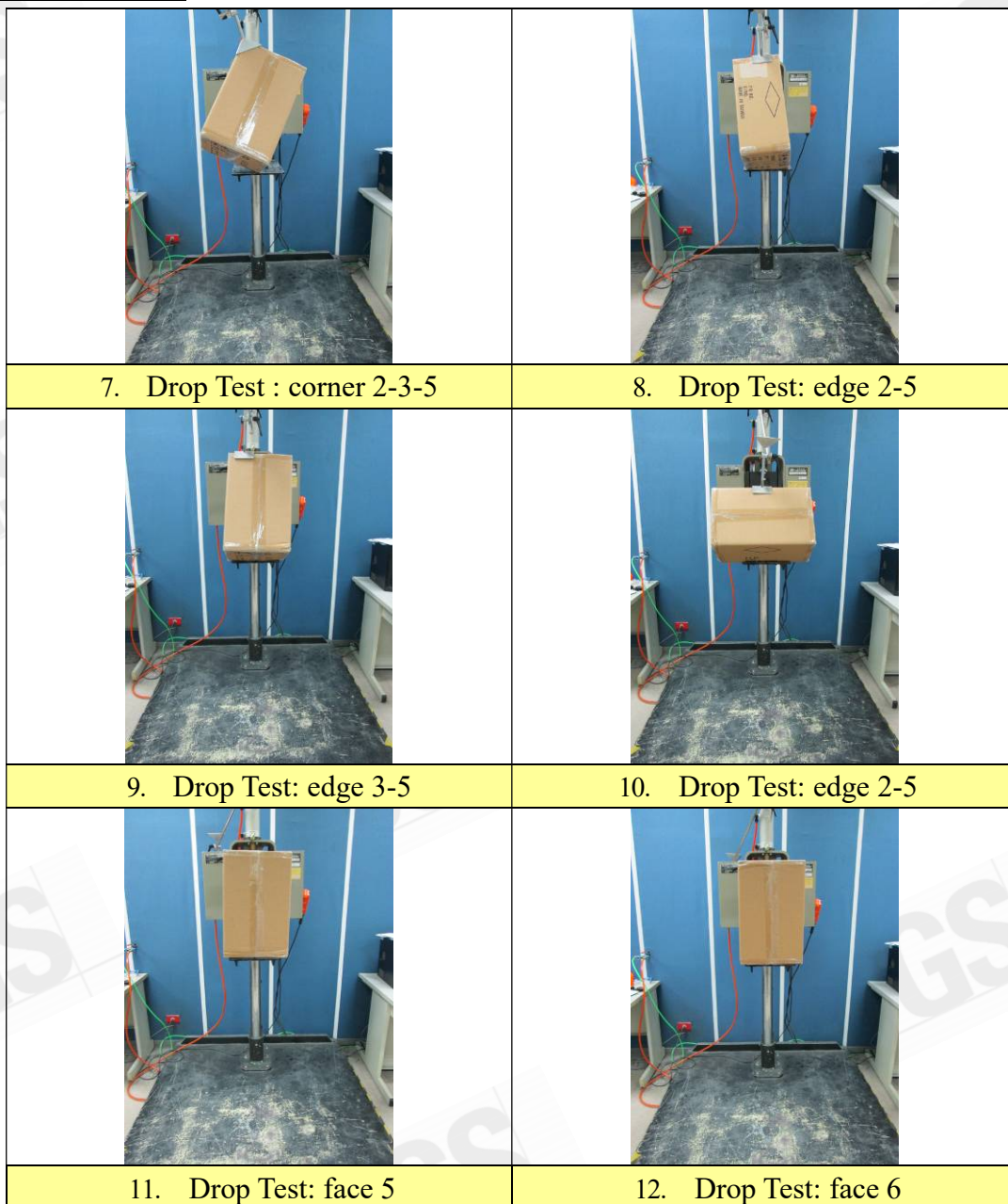
Test photos:



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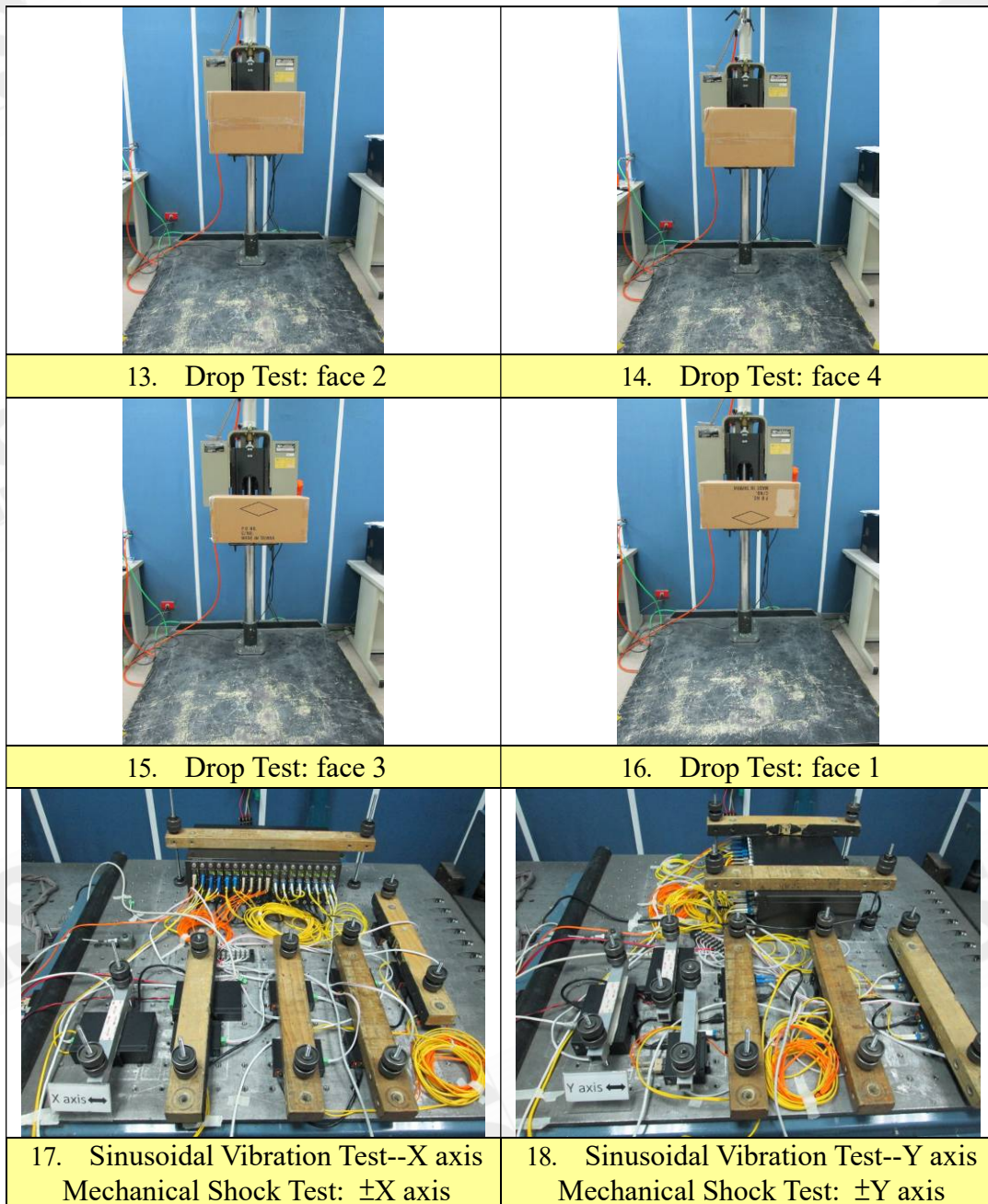


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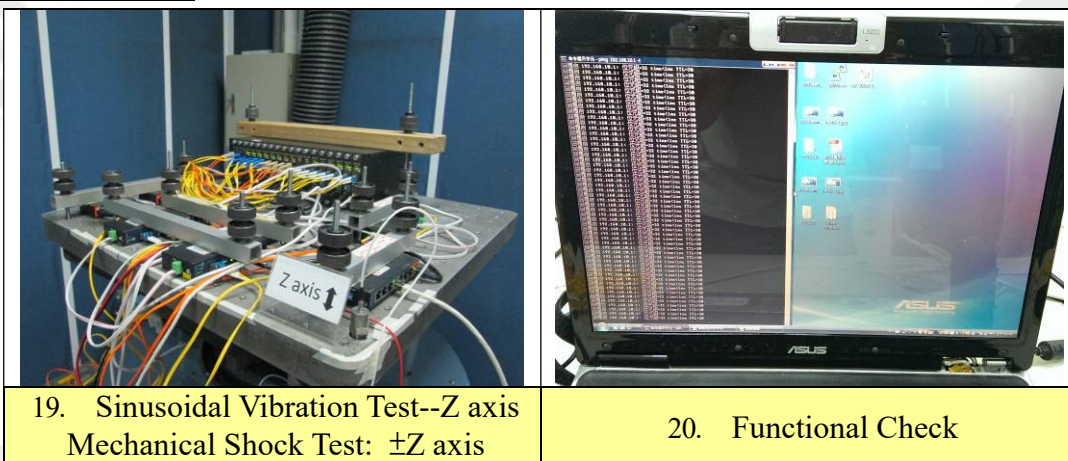
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