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November 29, 2013 Date:

GETAC TECHNOLOGY CORP. 5F, BUILDING A, NO. 209, SEC. 1, NANGANG RD., NANGANG DIST., TAIPEI CITY, TAIWAN, R.O.C.

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

Getac F110 Rugged Tablet Computer Product Description:

Style/Item No.: F110/No.1, No.2

Manufacturer/Vendor: Getac Technology Corp.

Country of Origin: Taiwan

Total 2 pieces Quantity:

Testing Period: Nov. 26, 2013 to Nov. 28, 2013

We have tested the submitted sample(s) as requested and the following results were obtained: Test Required:

Test for Degrees of Protection Provided by Enclosures (IEC 60529 Edition 2.1: 2001)

IP Code	IP65
First characteristic numeral	Degrees of protection against access to hazardous parts and against solid foreign objects
Second characteristic numeral	Degrees of protection against ingress of water

Test Results:

Conclusion

Submittals sample(s) comply with the requirement and acceptance conditions of IEC 60529 Edition 2.1: 2001 Degrees of Protection Provided by Enclosures -- IP65 The detailed description of test result, please see attached sheet(s).

> Signed for and on behalf of SGS TAIWAN Ltd.

Hank Chiou Asst. Supervisor

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Test for Degrees of Protection Provided by Enclosures:

Test Equipment:

Name	Brand	Model	Serial No.
1.0 mm Test Wire Probe	E.D.&D.	TRP-02	B0050180
Digital Force Gauge	ALGOL	HF-50	HF-106764
Dust Tester	T-MACHINE	TMJ-9723S	T-23-110708
IPX5 Water Jet Hose Nozzle Set	PTL	P03.26	5050565

Lab Environmental Conditions:

Ambient temperature: (25 ± 3) °C

Ambient humidity: (55 ± 20) % RH

Test Method/ Specification:

Test method: IEC 60529 Edition 2.1: 2001--IP65

1. Test for protection against access to hazardous parts:

Test method: The test wire with 1.0 mm in diameter and 100 mm long is pushed against

> or inserted through any openings of the enclosure with designated force. Examine whether the test wire touches the hazardous live parts inside the

enclosure or not.

Test force: 1 N±10 %

2. Test for protection against solid foreign objects:

Sample condition: Operating

Type of dust: Talcum powder

The amount of dust: 6.75 kgThe chamber size: 3.375 m^3 The maximum depression: -20 mbar Test duration: 8 hours

- Examine the protection against ingress of dust of specimen(s) and perform functional check after this test.
- Functional check: Examine whether the booting function of specimen could be work normally or not.

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Test Method/ Specification--Continued:

3. Test for protection against water:

Sample condition: Operating

Internal diameter

of the nozzle: 6.3 mm

Delivery rate: $12.5 \ell/\text{minute } \pm 5\%$

Distance from nozzle

to enclosure surface: between 2.5 m and 3 m

Core of the substantial

stream: circle of approximately 40 mm diameter at 2.5 m distance from nozzle

Test duration: Total 3 minutes (total: 6 faces, each face 30 seconds)

• Examine the protection against ingress water of specimen(s) and perform functional check after this test.

• Functional check: Examine whether the booting function of specimen could be work normally or not.

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Specimen:

Style/ Item No.: F110/ No.1, No.2

Quantity: Total 2 pieces

Test Result:

A. Degrees of protection against access to hazardous parts and against solid foreign objects (IP6X)

A-1 Test for protection against access to hazardous parts (IP6X)

Test Result				
Check Item		Style/ Item No.		
		F110/ No.1		
1	Does the test wire penetrate any openings of the enclosure?	No		
2	(followed check item 1) If the test wire penetrates any openings of the enclosure, does the test wire touch any hazardous live parts or any hazardous mechanical parts?	N/A		
3	(followed check item 2) Does adequate clearance be kept between the test wire and hazardous live parts or hazardous mechanical parts?	N/A		

Note 1: N/A means "Not Applicable".

Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.1: 2001 and in accordance with the acceptance conditions specified by client.

A-2 Test for protection against solid foreign objects (IP6X)

Test Result	
Charle Idam	Style/ Item No.
Check Item	F110/ No.1
1 Does any dust deposit inside the enclosure?	No
2 Functional Check	Normal

Note 1: N/A means "Not Applicable".

Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.1: 2001 and in accordance with the acceptance conditions specified by client

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Test Result--Continued:

B. Degree of protection against ingress of water (IPX5)

Test Result			
	Charle Harr	Style/ Item No.	
	Check Item	F110/ No.2	
1	Does any water permeate into the specimen?	No	
2	(followed check item 1) If any water has entered, does the water accumulate near the cable end or live parts?	N/A	
2.1	(followed check item 2) Does the water be sufficient to interfere with the correct operation of the equipment or impair safety?	N/A	
2.2	(followed check item 2.1) Does the water deposit on insulation parts where it could lead to tracking along the creep age distances?	N/A	
2.3	(followed check item 2.2) Does the water reach live parts or windings not designed to operate when wet?	N/A	
3	Functional Check	Normal	

Note 1: N/A means "Not Applicable".

Note 2: The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.1: 2001 and in accordance with the acceptance conditions specified by client.

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Test Photos:



Appearance of specimen



Appearance of specimen



Test for protection against solid foreign objects (Dust test)



Test for protection against water



Functional Check

The End of Test Report — -

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