TEST REPORT

Report No: HJW20240925-1-1

Applicant	Shenzhen Techtion Smart Electronics Co.,Ltd
Manufacturer	Shenzhen Techtion Smart Electronics Co.,Ltd
Description	Industrial Monitor
Model No	TS-121MCBJ
Detection category	Commission Test

Shenzhen Huajian Electronic Technology Co., Ltd.

Address: Room 329, Chuangke Building, No.72-6, Huanguan South Road, Xintian, Guanhu Street, Longhua District, Shenzhen, Guangdong, China

Description	Industrial Monitor		
Model No.	TS-121MCBJ		
Applicant	Shenzhen Techtion Smart Electronics Co.,Ltd		
Address	Room 902, 8th Floor, Unit 1, Building No. 2, Xintianxia Chengyun Factory District, Vanke City Community, Bantian Street, Longgang District, Shenzhen		
Manufacturer	Shenzhen Techtion Smart Electronics Co.,Ltd		
Address	Room 902, 8th Floor, Unit 1, Building No. 2, Xintianxia Chengyun Factory District, Vanke City Community, Bantian Street, Longgang District, Shenzhen		
Production plant	Shenzhen Techtion Smart Electronics Co.,Ltd		
Address	Room 902, 8th Floor, Unit 1, Building No. 2, Xintianxia Chengyun Factory District, Vanke City Community, Bantian Street, Longgang District, Shenzhen		
trademark	----	Sample serial number	----
Sample source	Customer sample delivery	Number of samples	1pc
Date of inspection	2024.07.10	Date	2024.07.10 to 2024.07.16

Inspection items:

IP65、Dry heat

Standards:

IEC600529:2013 Degrees of protection provided by enclosure (IP code)

GB/T 2423.2-2008Environmental testing for electric and electronic products-Part 2:Test methods-Test methods-Tests B:Dry heat

Inspection conclusion：

Pass

(Seal of the testing institution)

Detection: Wu Hui	Review: Zheng Zhixin	Approval: Wang Lin
Wu Hui	Zheng Zhixin	Wang Lin
July 16,2024	July 16,2024	July 16,2024

remarks:

Inspection requirements and results

Numbe	Inspection items	Standard requirements	Inspection results	determine
1.	Dry heat	1. temperature:50℃; 2. Test time: 2h; 3. Sample status: storage;	After the test, the appearance structure of the sample is normal, the power operation is normal, and the test is qualified.	Pass

Inspection requirements and results *

Numbe	Inspection items	Standard requirements	Inspection results	determine
2.	IP6X	1) Dust: talc powder (75 μ m); 2) Test time: 8h continuous dust blowing; 3) Concentration: 2 kg/m³; 4) Sample status during the test: the sample does not work during the test; 5) During the test, the test samples are placed in the test box, the pressure in the shell is kept below the atmospheric pressure by the vacuum pump, the maximum pressure difference is 2 kPa, the pumping speed is lower than 40 times the shell volume per hour, and the air pressure is continuously pumped for 8h.	After the test, the sample has no dust intake, and the test is qualified.	Pass
3.	IPX5	1) The nozzle diameter: 6.3mm; 2) Water spray distance: 2.5~3m; 3) Total flow quantity: 12.5L/min; 4) Test time: 5min.	After the test, the sample has no water intake, and the test is qualified.	Pass

Inspection requirements and results

surveillance project: Dry heat

1）Basis of detection:

GB/T 2423.2-2008Environmental testing for electric and electronic products-Part 2:Test methods-Test methods-Tests B:Dry heat

2）Inspection method and description:

1. temperature:50℃;

2. Test time: 2h;

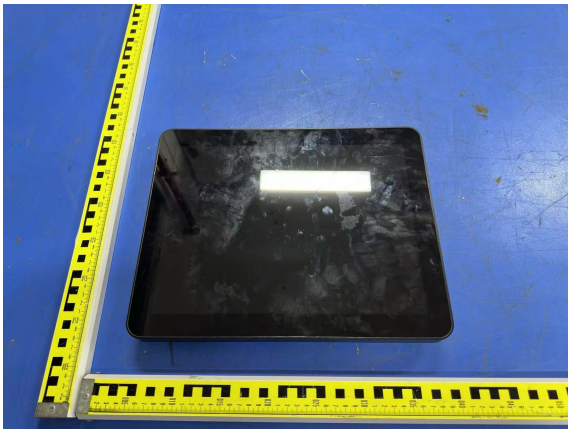
3. Sample status: storage;

3）Determination basis:

The appearance of the sample is not abnormal, and the power supply is normal.

4）Test data:

Before the test



Sample placement status

5）Test result: After the test, the sample appearance is abnormal, the power is normal, and the test is qualified.

Inspection requirements and results

Testing items：IP6X

1）Basis of detection:

IEC600529:2013 Degrees of protection provided by enclosure (IP code)

2）Inspection method and description:

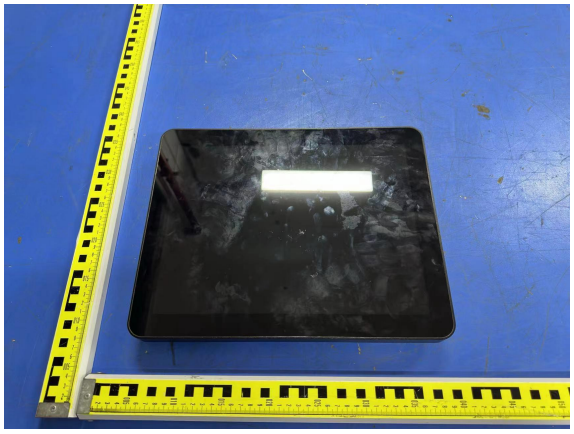
1. Dust: talc powder (75 μ m);
2. Test time: 8h continuous dust blowing;
3, Concentration: 2 kg/m³;
4. Sample status during the test: the sample does not work during the test;
5. During the test, the test samples are placed in the test box, the pressure in the shell is kept below the atmospheric pressure by the vacuum pump, the maximum pressure difference is 2 kPa, the pumping rate is lower than 40 times the shell volume per hour, and the continuous pumping is for 8h.

3）Determination basis:

After IP6X test, the sample has no dust intake and normal power function.

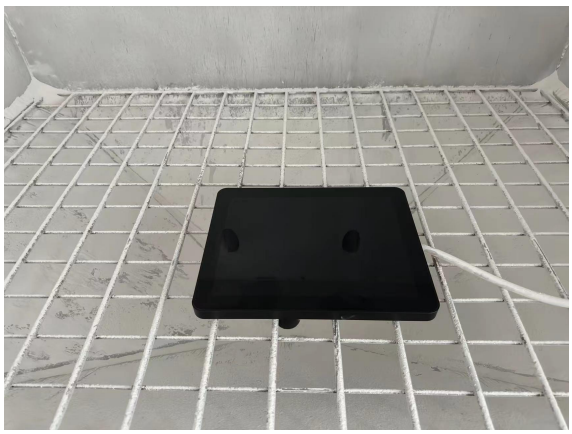
4）Test data:

Before the test



In the experiment

Sample placement status



5）Test result: after the test, the sample has no dust intake phenomenon, the power supply function is normal, and the test is qualified.

Inspection requirements and results

surveillance project:IPX5

1）Basis of detection:

IEC600529:2013 Degrees of protection provided by enclosure (IP code)。

2）Inspection method and description:

1.The nozzle diameter: 6.3mm;

2.Water spray distance: 2.5~3m;

3.Total flow quantity: 12.5L/min;

4.Test time: 5min.

3）Determination basis:

IPX5

After testing, there should be no water inside the sample. For water intake, shall not:

1) Enough to interfere with the correct operation of the equipment or damage the safety;

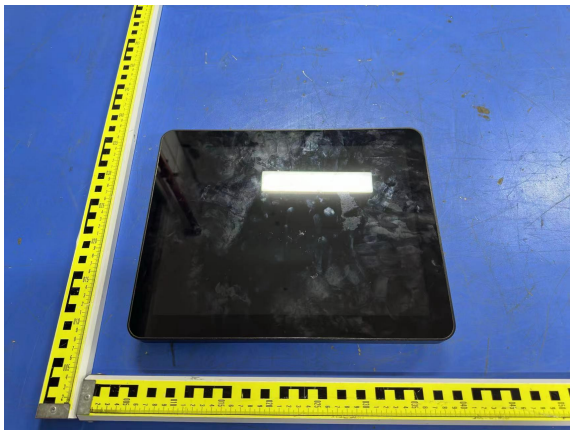
2) Deposition on the insulation parts that may lead to creepage distance tracking;

3) Touch the live parts or windings that are not suitable for operation in a wet environment;

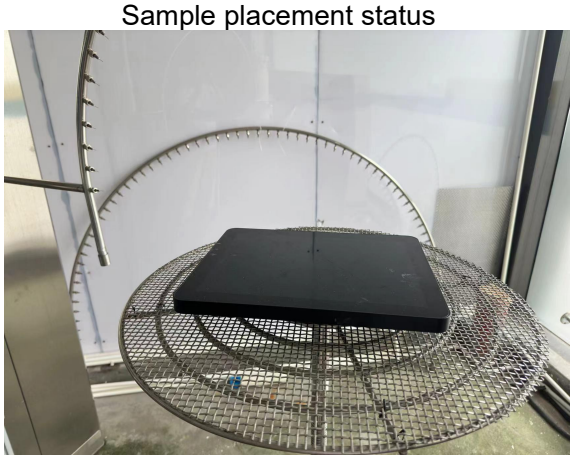
4) Gather together or enter the cable near the end of the cable.

4）Test data:

Before the test

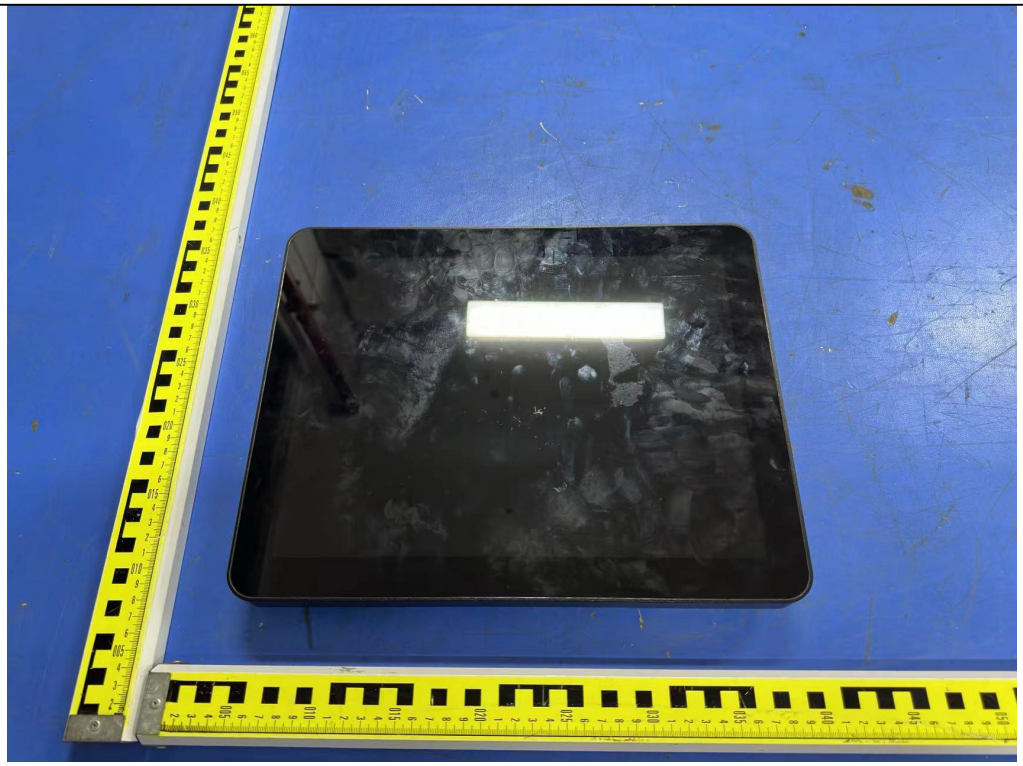


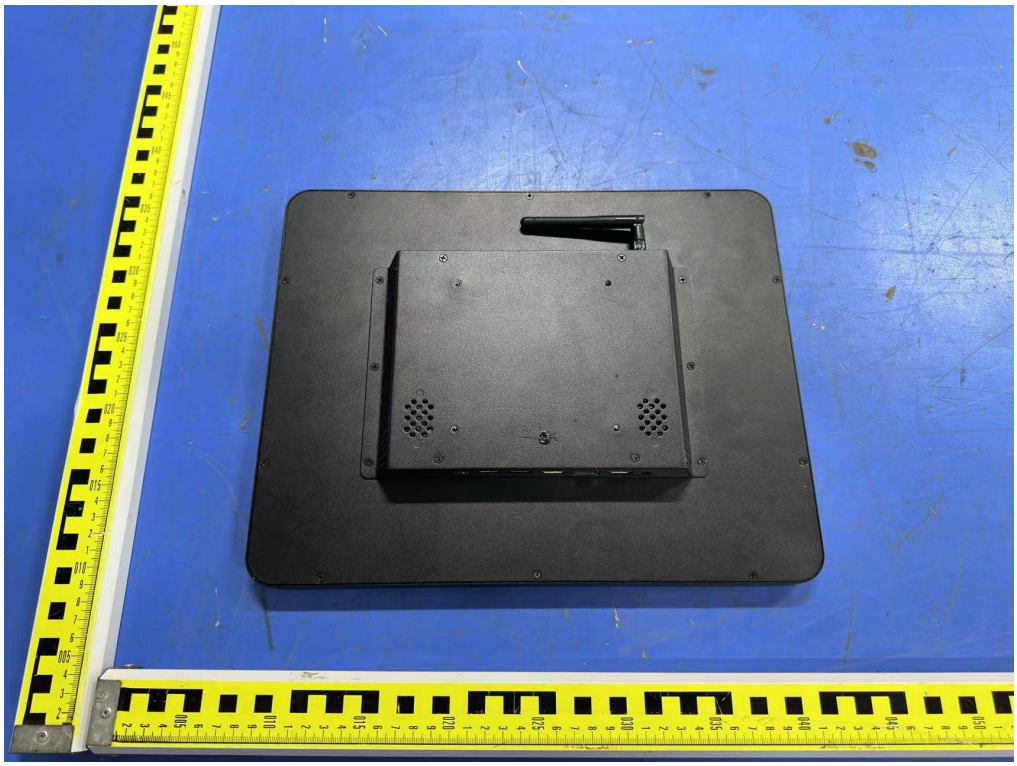
Sample placement status



5）Test result: after the test, the sample has no water intake phenomenon, the power supply function is normal, and the test is qualified.

Sample photographs





The report is over

Statement

1. The report is invalid without "special seal".
2. The report is invalid without testing and the signature of the approving personnel.
3. The report alteration is invalid.
4. The test conclusion of the self-sent samples is only valid for the sent samples.
5. The project with "*" is the technical requirement of the client, which is not within the authorized scope of CNAS and CMA.
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