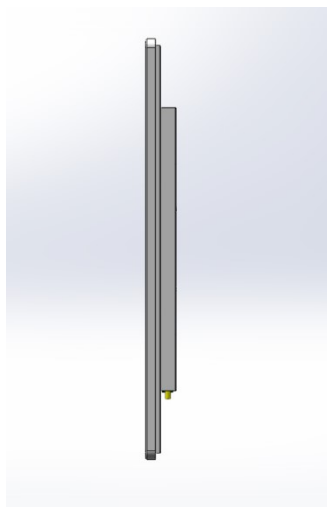
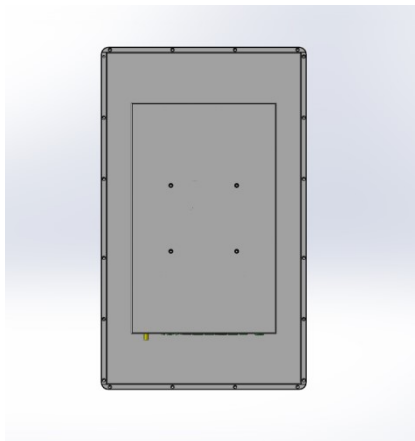
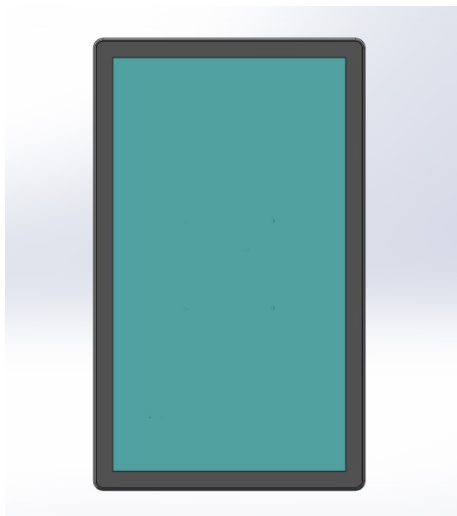




特征/Features

■ 构建：铝型材&不锈钢钣金

Construction: Aluminum profile & stainless steel sheet metall

■ 安装：外嵌、壁挂（VESA 100*100 mm）

Mounting：embedded, wall-mounted
(VESA 100*100mm)

■ 运行温度：-10℃~70℃

operating temperature -10℃~70℃

■ 储存温度：-20℃~70℃

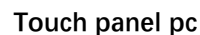
storage temperature -20℃~70℃

■ 湿度范围：10%~90%RH

humidity range：10%~90%RH

■ EMC：EN55032 Class A

产品名称 Product Name		Touch panel pc
液晶屏 LCD Screen	分辨率 Resolution	1920×1080
	亮度 Luminance	500Cd/m ²
	对比度 Contrast Ratio	1000:1
	可视角度 Viewing Angle	89/89/89/89
	显示颜色 Display color	16.7M
	响应时间 Response Time	17ms
	平均无故障时间 MTBF	30000h
触摸屏 Touch screen	触摸屏类型 Touch monitor type	Capacitive touch screen
	控制器及驱动 Controller and driver	USB Drive-free
	响应时间 Response Time	≤5ms
	表面硬度 Surface Hardness	Mohs N7
功耗 Power consumption	运行功耗 Operational power consumption	Pmax=30W
	空闲状态功耗 Idle state power consumption	<1W
主板参数 Motherboard parameters	配置参数 Configure parameters	RK3562 /RAM2G(optional)/SSD16G(optional)
	USB	USB3.0 *1 USB2.0*4
	串口（可选） Serial port (Optional)	TTL*2/RS232*2/RS485*2
	通讯 communication	WiFi 2.4G Bluetooth 100M Ethernet 4G
重量 Weight	净重 Net Weight	TBD

[illegible]

(312.21mm*520.74mm*37.5mm)

零件编号/Part Number	描述/Discription
<u>YL-SZPB01Q215AC-V1</u>	21.5 寸一体机 1.1mm 玻璃盖板 安卓 13 RK 3562 RAM2G+SSD16G DC12V 输入 21.5 inch Touch panel 1.1mm glass cover Android 13 RK 3562 RAM2G+SSD16G DC12V input

- 一体机*1/Touch panel pc*1
- 电源适配器*1 / Power adapter*1
- 电源线 1.8m*1 / Power cable1.8m*1

■ **耐用性和可靠性：**工业及医疗显示器通常采用更坚固的材料和设计，能够承受恶劣的环境条件，如高温、低温、潮湿、震动和灰尘等。

Durability and reliability: Industrial and medical displays typically feature more rugged materials and designs that can withstand harsh environmental conditions such as high and low temperatures, humidity, vibration, and dust.

■ **防电磁干扰：**工业及医疗环境中可能存在较强的电磁干扰，工业显示器通常设计考虑了这一点，能够有效防止干扰影响显示效果。

Anti-electromagnetic interference: There may be strong electromagnetic interference in industrial and medical environments, and industrial displays are usually designed with this in mind, which can effectively prevent interference from affecting the display effect.

■ 增强的色彩表现：工业及医疗显示器支持更广泛的色域和更高的色彩准确度，适合需要精准图像的应用。

Enhanced color performance: Industrial and medical displays support a wider color gamut and higher color accuracy, making them ideal for applications that require accurate images.



Product Evaluation Report

Our Letter Ref:

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Date:	2025-02-26	This document include	3 Page(s)
Our folder ref:	/	Our offer ref:	/
To:	YDtouch	Fax number:	+86-769-22022444-162
Attn.:	MICHAEL GU	E-mail address:	iori.fan@ntc-c.com
CC:	-	Fax number:	-
Attn.:	-		
Your contact person:	MICHAEL GU	Tel number:	18688627467
		Email:	rd02@ydtouch.com

Object: 21.5 Touch panel pc / Model: YL-SZPB01Q215AC-V1

Dear

Referring the IP67 tests on the captioned product, according to the requirement of the standards IEC 60529:1989+A1:1999+A2:2013, we have the following findings:

Construction check:						
Certificate	Label	Instruction sheet	Construction	Other		
--	--	--	--	--		
Electrical test:						
Endurance	IP test	Thermal test (normal)	Thermal test (abnormal)	Humidity test	Material test	Other
--	IP43	--	--	--	--	--
:- Not required or demanded by client In progress: The test is under progress. RX or NX: the remark or notes found on the sample, (cannot be acceptable according to the standard.) NX: the notes found on the sample, (can be acceptable according to the standard.) Pass: the sample complies with the requirements of the relevant section or clause.						
In order to finish this folder, we need						
Modified Sample:	1 pc					
Documents:	-					
Other:	-					
When sending modified samples, mail and documentation concerning the product describes in this fax, you shall include our Letter reference number						
The check and test will be finished on						
15 working days after received all the samples and document indicated above.						

This document is purely informative, only the final test report will give a definitive conclusion.

Nore Testing Center Co., Ltd.

Building D, Gaosheng Science & Technology Park, Zhouxi Longxi Road, Nancheng District, Dongguan City, Guangdong, China

Tel: +86 769 2202 2444
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Doc ID: IPXX
Revision: 02

Effective: 2025-12-30
Page: 1 of 3



Product Evaluation Report

Our Letter Ref:

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Details of Comments:

R1	13.2	Test conditions for first characteristic numerals 4	Picture of the problem																																
Test condition: The object probe is pushed against any openings of the enclosure with the force specified in Table 7. Table 7 – Test means for the tests for protection against solid foreign objects <table border="1"> <thead> <tr> <th>First characteristic numeral</th><th>Test means (object probes and dust chamber)</th><th>Test force</th><th>Test conditions, see</th></tr> </thead> <tbody> <tr> <td>0</td><td>No test required</td><td>—</td><td>—</td></tr> <tr> <td>1</td><td>Rigid sphere without handle or guard 50^{+0.05}₀ mm diameter</td><td>50 N ± 10 %</td><td>13.2</td></tr> <tr> <td>2</td><td>Rigid sphere without handle or guard 12.5^{+0.2}₀ mm diameter</td><td>30 N ± 10 %</td><td>13.2</td></tr> <tr> <td>3</td><td>Rigid steel rod 2.5^{+0.05}₀ mm diameter with edges free from burrs</td><td>3 N ± 10 %</td><td>13.2</td></tr> <tr> <td>4</td><td>Rigid steel rod 1.0^{+0.05}₀ mm diameter with edges free from burrs</td><td>1 N ± 10 %</td><td>13.2</td></tr> <tr> <td>5</td><td>Dust chamber figure 2, with or without underpressure</td><td>—</td><td>13.4 + 13.5</td></tr> <tr> <td>6</td><td>Dust chamber figure 2, with underpressure</td><td>—</td><td>13.4 + 13.6</td></tr> </tbody> </table>			First characteristic numeral	Test means (object probes and dust chamber)	Test force	Test conditions, see	0	No test required	—	—	1	Rigid sphere without handle or guard 50 ^{+0.05} ₀ mm diameter	50 N ± 10 %	13.2	2	Rigid sphere without handle or guard 12.5 ^{+0.2} ₀ mm diameter	30 N ± 10 %	13.2	3	Rigid steel rod 2.5 ^{+0.05} ₀ mm diameter with edges free from burrs	3 N ± 10 %	13.2	4	Rigid steel rod 1.0 ^{+0.05} ₀ mm diameter with edges free from burrs	1 N ± 10 %	13.2	5	Dust chamber figure 2, with or without underpressure	—	13.4 + 13.5	6	Dust chamber figure 2, with underpressure	—	13.4 + 13.6	/
First characteristic numeral	Test means (object probes and dust chamber)	Test force	Test conditions, see																																
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5	Dust chamber figure 2, with or without underpressure	—	13.4 + 13.5																																
6	Dust chamber figure 2, with underpressure	—	13.4 + 13.6																																
Acceptance condition: In accordance with IEC 60529 Clause 13.3, the protection is satisfactory if the full diameter of the probe specified in Table 7 does not pass through any opening. Test conclusion: After IP4X test, there is no dust deposition inside the product, and the test results are qualified.																																			

R2	14.2.3	Test for second characteristic numeral 3 with oscillating tube or spray nozzle	Picture of the problem
Test condition: In accordance with IEC 60529 Article 14.2.3, conditions when using the test device as oscillating tube The oscillating tube has spray holes over the whole 180° of the semicircle. The total flow rate is adjusted as specified in table 9 and is measured with a flow meter. The tube is caused to oscillate through an angle of almost 360°, 180° on either side of the vertical, the time for one complete oscillation (2 × 360°) being about 12 s. The duration of the test is 10 min. If not specified otherwise in the relevant product standard, the support for the enclosure under test is perforated so as to avoid acting as a baffle and the enclosure is sprayed from every direction by oscillating the tube to the limit of its travel in each direction.			/

This document is purely informative, only the final test report will give a definitive conclusion.

Nore Testing Center Co., Ltd.

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Product Evaluation Report

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Table 9 – Total water flow rate q_v under IPX3 and IPX4 test conditions –
Mean flow rate per hole $q_{vf} = 0,07$ l/min

Tube radius R mm	Degree IPX3		Degree IPX4	
	Number of open holes $N^{(1)}$	Total water flow q_v l/min	Number of open holes $N^{(1)}$	Total water flow q_v l/min
200	8	0,56	12	0,84
400	16	1,1	25	1,8
600	25	1,8	37	2,6
800	33	2,3	50	3,5
1 000	41	2,9	62	4,3
1 200	50	3,5	75	5,3
1 400	58	4,1	87	6,1
1 600	67	4,7	100	7,0

¹⁾ Depending on the actual arrangement of the hole centres at the specified distance, the number of open holes N may be increased by 1.

Acceptance condition:

In accordance with IEC 60529 Article 14.3, after testing in accordance with the appropriate requirements of 14.2.3 the enclosure shall be inspected for ingress of water.

It is the responsibility of the relevant Technical Committee to specify the amount of water which may be allowed to enter the enclosure and the details of a dielectric strength test, if any.

In general, if any water has entered, it shall not be sufficient to interfere with the correct operation of the equipment or impair safety; Not be deposit on insulation parts where it could lead to tracking along the creepage distances; Not be reach live parts or windings not designed to operate when wet; Not be accumulate near the cable end or enter the cable if any.

If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment.

For enclosures without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts

Test conclusion:

After the IPX3 test, no water entry into internal, and the test results are qualified.

If you have any question, please feel free to contact us.

Thanks

Best regard,

Jaye wang

Engineer

Validated by: Ryan Luo

Safety manager

This document is purely informative, only the final test report will give a definitive conclusion.

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