

TTD (Thunder) High Speed Series

10 Real Points IR Touch Screen

Specification



Supports Android , Windows XP/7/8/10 , Mac OS without any driver

26-85 inch



1.Overview

- TTD (Thunder) high-speed series are designed for large size display of high reaction speed multi-touch solutions, product performance is remarkable, fastest response reach 3ms , support 10 real points without driver , and support multi-people touch interaction.
- The product uses aluminum frame , and provide "Universal accessory" , can be built-in or plug-in.

2. Features

- True multi-touch, writing fluency
- Support multiple operating systems without driver
- Aluminum frame , can be built-in or plug-in
- Free maintenance , long product life
- Fault-tolerant design, stable performance
- Dense tube design, high precision of touch
- Hardware self-test, easy to upgrade debugging
- Anti light&dust , anti violence& scrape

3.Application



LED curtain wall



Vending machine



Query



Kiosk



Exhibition



Finance



Education



Industrial control



Games

4. Specification

Standard Size		26" -85"
Border Width		25mm
Touch Points		Maximum support 10 points
Thickness		10.5mm
Shell		Aluminum6063
Color		Black (wire drawing technology)
Cable Length		USB : 1.7m
Waterproof Level		Non-waterproof
Certification		RoHS, CE, FCC
Glass	Thickness	3 mm , 4mm , 5mm selection
	Material	Standard : toughened glass (surface hardness 7H) ; Customized : AR , AG glass
	Luminousness	toughened glass≥86% , AR glass≥92% , AG glass≥80%

5. Electrical

Output Resolution		32767*32767
Touch Precision		2.8mm (Centre area 5.5mm)
The Smallest Touch Objects		>5mm
Touch Depth		<3mm
Output Type		Touch Coordinate Output
Calibrate		Not Require Recalibration
Response Speed		<15ms
Multi-points Recognition		More than 10mm between touch points
Consumption		<2W , Typical 1.2W (DC5V Power)
Plug and Play		Without any driver (USB Product)
Scanning Frequency		60Hz
Interface		USB2.0 , HID (Plug and Play)
USB2.0	Terminal Type	A-type USB
	Communication Interface	USB-D+ , USB-D-
	Transmission Speed	12Mbps
	Power Supply	USB
ESD		Contact discharge 4KV, air discharge 8KV
Supply Voltage		DC+5V±5%
Operating Current		<200mA

6.Mechanical

Touch Objects	Opacity object
Sensor	Infrared Ray
Working Life	Unlimited
Touch Pressure	Zero Pressure

7.Environmental

Temperature	Operating : -10°C~60°C
	Storage : -30°C~85°C
Humidity	Operating : 10°C~90°C RH , 40°C
	Storage : 10°C~90°C RH , 40°C

8.Software

Scan	Auto scan after power on
Event Detection	Touch start to the end trajectory detection
Upgraded	Upgraded with USB interface
Driver	Without any driver(USB Product)USB2.0 ; HID (Plug and Play)
Touch Events	Virtual Mouse(Drag,Left&Right Button)
	Android、 Windows 7/8/10 Maximum support 10points touch event
	Touch device (Win7/8/10/Mac OS zoom and rotation , multi-person interactive)
	Support single display touch, multi monitor touch, extended display touch
OS Support	Windows 7/8/10 , Linux , Mac OS , Android
Technical Service	Customizable output protocol, output interface, and application , DLL
Technical Support	Windows,Android online diagnosis, upgrade,configuration;Other platform can be customized

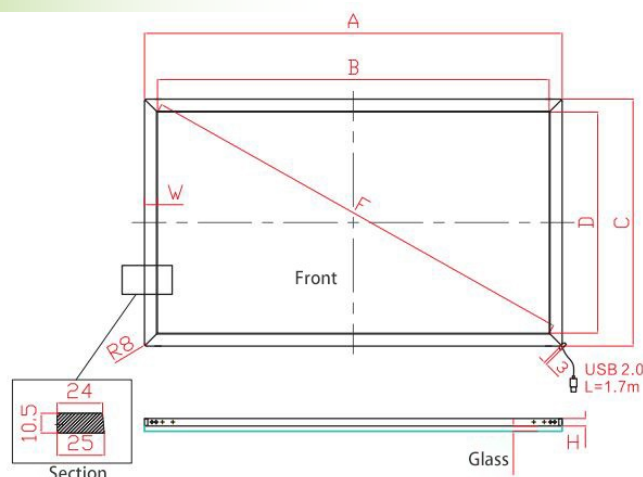
9. Reliability

Project	Test Condition	Result
High-temperature Storage□	60°C : not work 20 hours continuously, room temperature for 2 hours	Normal
Low-temperature Storage□	-20°C : not work 20 hours continuously, room temperature for 2 hours	Normal
High and low temperature cycle	40°C : work 48 hours continuously , then -10°C work 24 hours continuously	Normal
High humidity work	40°C , 85% : work 24 hours continuously	Normal
USB plug test	Plug 2000 times in a row under different operating systems	Normal

10.Package

Product Accessories	Touch pen, manual, USB extension cable (selection), Universal accessory (selection)
Package	Carton (overall packaging , 5 pieces), Paper tube (dismantle packing)

11.Sketch Map



TTD Aluminum frame touch screen size table

Size (")	Ratio	Touch Area (mm)		Outline dimension (±1mm)		Thickness		Border width (mm)
		X (B)	Y (D)	Length (A)	Width (C)	Glass	Frame (±0.5mm)	
26	16 : 9	578	326	628	376	3	10.5	25
27	16 : 9	600	339	650	389	3	10.5	25
32	16 : 9	701	395	751	445	4	10.5	25
37	16 : 9	822	463	872	513	4	10.5	25
40	16 : 9	888	501	938	551	4	10.5	25
42	16 : 9	933	526	983	576	4	10.5	25
46	16 : 9	1021	575	1071	625	4	10.5	25
47	16 : 9	1042	587	1092	637	4	10.5	25
48	16 : 9	1057	595	1107	645	4	10.5	25
50	16 : 9	1098	619	1148	669	4	10.5	25
55	16 : 9	1213	684	1263	734	4	10.5	25
58	16 : 9	1272	723	1322	773	4	10.5	25
60	16 : 9	1333	751	1383	801	4	10.5	25
60	16 : 9	1320	742	1370	792	4	10.5	25
65	16 : 9	1432	807	1482	857	4	10.5	25
70	16 : 9	1553	875	1603	925	4	10.5	25
82	16 : 9	1809	1019	1859	1069	5	10.5	25
84	16 : 9	1864	1050	1914	1100	5	10.5	25

<PS : IR touch screen overall thickness = frame thickness + glass thickness +1mm double-sided adhesive >

Website : www.tmdtouch.com

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For more products informations, please contact us !