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T Series

Infrared touchscreen



T-Series is the latest infrared touchscreen developed by IRTOUCH SYSTEMS; its slim frame can match completely the monitors or displays in thin-frame, ideally upgrading the visual appearance of whole device.

T Series Touchscreen product List (The types and specifications are only for your reference, please contact us for details)

Size (Inch)	Model	Touchscreen Thickness (mm)	Touch Active Area			Outside Dimensions		Drawing
			Height (mm)	Width (mm)	Diagonal (mm)	Height (mm)	Width (mm)	
30	T30	9	401	642	756.9	440	681	T30View
32	T32	9	397.4	702.6	807.2	436.4	741.6	T32View
40	T40	9	500	888	1019.1	545	928	T40View
42	T42	9	527	934	1072.4	566	973	T42View
46	T46	9	577.5	1023.3	1175	616.5	1062.3	T46View
50	T50	9	649.7	1131.7	1304.9	688.7	1170.7	T50View
52	T52	9	661	1165	1339.5	700	1204	T52View

Benefits:

- Slim frame
- Maintenance free, longer life expectancy
- Fault tolerance design to ensure reliability
- Versatile touch object
- Super transparency
- Integrated controller

Typical Applications:

- Boardroom presentation
- Classroom whiteboard
- Mall kiosks
- Public venue directory
- Hotel entertainment center
- Weather forecast

Size

General Size	32" to 52"
Customized Size	30" to 52"
Fit in with	Panel display device

Performance

Resolution (Interpolation)	4096*4096
Linearity Error	1.5mm

Mechanical

Input Method	Finger, gloved hand or opaque object
Touch Times	Unlimited
Touch Activation Force	No minimum touch activation force is required with IR touch technology
Minimum Touch Object	8mm
Vandal-proof	No break by steel ball (1.040kg, 63.5mm diameter) dropping from 1040mm high
Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7

Optical

Light Transmission	≥92%, up to 100% (no glass)
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Environmental

Temperature	Operating: -20°C~70°C Storage: -40°C~80°C
Relative Humidity	Operating: 90% RH (non condensing at max 40°C) Storage: 90%RH (non condensing at max 40°C)
Altitude	Up to 3,000m
Life Time	At least 7-year

Electrical

Operation Voltage	Typical +DC 5V, +4.75V to +5.25V
Power Supply	USB or PS/2 Interface, power ripple max. 200mV rms
Power	<2W, operating current <400mA
Agency Approvals	CE, FCC Class B
Interface	USB/EIA-232E
Operation System	Windows7\Vista\XP\2003\2000\CE, Linux, MacOS

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