



Leadingtouch Multi-Touch infrared touchscreen specification

Size

General Size	15" to 150"
Fit in with	Panel display device

Performance

Touch Mode	Single-point touch, Multi-touch, drag, draw-line, rotate, zoom in/out
Resolution(Interpolation)	4096*4096
Linearity Error	<1.5mm
Response Speed	<15ms

Mechanical

Input Method	Finger or gloved hand (rubber ,cloth or leather)
Touch Times	Unlimited
Touch Activation Force	No minimum touch activation force is required
Minimum Touch Object	2.5 mm X 2.5 mm
Vandal-proof	No break by 1-pound steel ball dropping from 130 cm high
Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7

Optical

Glass:	Without glass, 4mm glare, AG (anti-glare), or AR (anti-reflective) glass optional
Light Transmission	90% (Meet ASTM D1003)
Gloss	Antiglare surface (curved or flat): 95 ± 15 gloss units or 65 ± 15 gloss units

Environmental

Temperature	Operating Range: -20°C ~ 70°C ; Storage Range: -40°C ~ 85°C
Relative Humidity	Operating Range: 0%~90% RH (no dew falls) Storage Range: 0% to 95% RH (no dew falls)
Altitude	Up to 3,000m
Ambient Light	Direct sunlight 90°to ±30° to the display surface Touch detection operational Direct sunlight all angles to display surface Free of false touch reports
Life Time	At least 10-years

Electrical

Operation Voltage	Typical +DC 5V, +4.75V to +5.25V
Power Supply	Size under 52"(include 52")USB or PS/2 Interface, power ripple max.200mV rms Size above 52"(52" not included): external AC-DC power adaptor
Interface	Full Duplex USB 2.0 (Full Speed) Plug and play compatible Serial RS-232. Baud Rate: 9600, 8 Data Bits, 1 Stop Bit, No Parity
Current	Typical 150MA@+5VDC; 350mA, maximum
Power	<1.5W, operating current<300mA
Electrostatic Protection	15 kV air / 8 kV contact discharges (EN61000-4-2,1995 :Level 4)
Controller	Integration inside touch panel
Agency Approvals	CE, FCC, Rohs
Operation System	Linux/ Dos / Windows ME/95/98 / NT4.0/XP/2000/Win7/Mac OS