



## Leadingtouch M Series Infrared Touch Panle Specification

### Size

General Size	12" to 70"
Custom Size	5" to 80"
Fit in with	LCD/LED Panel display device

### Mechanical

Frame Material	IP65 Level metal frame
Frame Width	35mm-40mm
Input Method	Finger or gloved hand (rubber ,cloth or leather)
Resolution	4096*4096
Linearity Error	Standard error deviation less than 1.5mm.
Response Speed	<23 msec average(Scan frequency 43~50Hz)
Touch Times	Unlimited
Touch Activation Force	No minimum touch activation force is required
Minimum Touch Object	8mm
Vandal-Proof	Meet UL60950 steel ball drop test (1kg, 63.5mm diameter ball dropped from height of 1.0m)
Sealability (fornt panel)	IP65
Surface Durability	Meet UL60950. steel ball draping test Surface durability is that of glass, Mohs' hardness rating of 7

### Optical

Glass	Without glass, 4-6mm glare, AG (anti-glare), or AR (anti-reflective) tempreed glass optional
Light Transmission	≥92%.upto 100%(no glass)

### Environmental

Temperature	Operating Range: -40℃ ~ 70℃; Storage Range: -40℃ ~ 80℃
Relative Humidity	Operating Range: 0%~90% RH (no dew falls) Storage Range: 0% to 95% RH (no dew falls)
Altitude	>50,000,000 touch
Life Time	

### Electrical

Single Touch (Model U1)	Support single touch under Windows 7, 2000/XP/CE/Vista, Linux etc
Multi-Touch (Model U8)	Plug & play, support multi-touch function under Microsoft Windows 7 operation system without driver. With Leadingtouch drivers, support multi-touch function under Microsoft Windows 2000/Xp/Xpe/Vista operation system.
Controller	Integration inside touch panel
Operation Voltage	Typical +DC 5V, +4.75V to +5.25V
Power Supply	USB or PS/2 Interface, Power ripple max.200mV rms
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
Power	<2W, operating current<400mA
ESD	Per EN 61000-4.2:Level 4. Contact discharge 8KV,air discharge 15 kV
Agency Approvals	CE, FCC Class B, RoHS compliant