Leadingtouch SAW touchbezel specification

Size

General Size	15″ to 22″
Custom Size	8.4″ to 26″
Fit in with	Panel display device

Performance

Resolution(Interpolation)	4096*4096
Linearity Error	<±1%
Response Speed	<10ms
Movement mode	Input point, finishing point, following, continuous detection

Mechanical

Construction	Sensors are sealed inside frames
Frame Material	Metal / Plastic
Input Method	Finger or gloved hand (rubber ,cloth or leather)
Touch Times	7,000,000
Touch Activation Force	<85g
Vandal-proof	No break by 1-pound steel ball dropping from 130 cm high
Waterproof	No defect by applying water on active area
Dustproof	With frames sealed by dustproof strips to prevent dust from accumulating on sensors
Surface Durability	Surface durability is that of glass, Mohs' hardness rating of 7

Optical

Light Transmission	90%（Meet ASTM D1003）
Gloss	Antiglare surface (curved or flat): 95 ± 15 gloss units or 65 ± 15 gloss units per ASTM D2457 using a 60-degree gloss meter

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 5,000m
Life Time	At least 10-years

Electrical

Operation Voltage	Typical +DC 5V, +4.75V to +5.25V
Power Supply	USB or PS/2 interface
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
Electrostatic Protection	15 kV air / 8 kV contact discharges (EN61000-4-2,1995 :Level 4)
Touchpoint Density	>100,000 touchpoints/in² (15,500 touchpoints/cm²)
Agency Approvals	CE, FCC, Rohs
Operation System	Linux/ Dos / Windows ME/95/98 / NT4.0/XP/2000/Mac OS

Reliability

MTBF	Greater than 1,543,000 hours per MIL-HDBK-217-F2
Thermal Cycling	Ambient (0.5 hr) to 65°C / 90%RH (0.5 hr), 12 thermal cycles, 2°C/Minute

www.leadingtouch.com