

## SPECIFICATION

**Product Name :** 7~32 inch Surface Acoustic Wave Touch Screen

**Date:** 2017/10/07



**KeeTouch approve:**

| Approved by | Checked by | Designed by |
|-------------|------------|-------------|
| Bruce Kang  | Bruce Kang | Joe         |

## Surface Acoustic Wave Touch Screen

KeeTouch Surface Acoustic Wave (SAW) Touch Screen is developed by its R&D team, with its own design and continuously updating the most efficient touch screens to worldwide customers. KeeTouch screen is suitable for all types of display monitors with RS232 or USB interface.

- LCD flat display: from 7" – 32".

### 1.Main Features

- High image clarity
  - Free of drift
- Durable, scratch can continue to use
- Compact size for easy integration
- High light transmittance
- Easy customization
- High cost-efficiency

## 2.Mechanical Parameters

|                     |   |
|---------------------|---|
| <b>Touch Medium</b> | Finger, gloved hand, rubber soft pen etc. |
| <b>Sizes</b>        | 7~32 Inch                                 |
| <b>Dimensions</b>   | See the engineer drawing                  |

## 3.Electrical Parameters

|                                   |                       |
|-----------------------------------|-----------------------|
| <b>Resolution</b>                 | 4096*4096, Z-axis 256 |
| <b>Touch<br/>Activation Force</b> | <80g                  |
| <b>Controller</b>                 | KCA-URO1L-R1D/R2G     |
| <b>Controller<br/>Interface</b>   | USB & RS232           |
| <b>Response Time</b>              | ≤10ms                 |

## 4.Optical Characteristics

|                     |     |
|---------------------|-----|
| <b>Transmission</b> | 90% |
|---------------------|-----|

## 5.Durability Parameter

|                               |  |
|-------------------------------|--|
| <b>Surface<br/>Durability</b> | Optical glass surface, Mohs' hardness rating : 7.  |
| <b>Life<br/>Performance</b>   | More than 50 million touches in one location.<br>(Tested by a stylus similar as finger). |

## 6.Environmental Parameter

|                                 |   |
|---------------------------------|---|
| <b>Temperature</b>              | Operation Temp:-20℃ to +60℃<br>Storage Temp:-40℃ to +70℃  |
| <b>Humidity</b>                 | 40℃@90%RH, non-condensing   |
| <b>Operation Altitude</b>       | 3000m   |
| <b>Electrostatic Protection</b> | Per EN 61000-4-2, 1995 :<br>(8 kV air / 4 kV contact discharges).   |
| <b>Chemical Resistance</b>      | The active area of the touch screen is resistant to the damage of chemicals which do not influence glass, such as acetone, toluene, methyl ethyl ketone, isopropyl alcohol, methyl alcohol, ethyl acetate and amino glass cleaner, gasoline, kerosene, vinegar etc. |
| <b>Agency Approval</b>          | FCC,CE,UL,RoHS  |

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