

aiVersion	Date	Information Source	Update Details
1.0	2017-03-10	WY Yang	compile

SAW Touch Panel

Technical Specifications

1 . Features

- Same driver for both USB and RS232 from 7" to 32"
- High image clarity
- Single or two-touch interface
- Available from 21.5" to 42"
- Free of drift
- Z-axis pressure recognition
- Strong mechanical strength
- Short response time
- Compact size for easy integration
- Customization available on glass sensor size, driver, accessories

2. Benefits

- Cost effective
- Fast and accurate and stable touch performance
- Custom options

3. Applications

- Gaming machines
- Interactive digital signage
- Self-service terminals

4. Technical Specifications

Touch Panel:	
Technology	Surface Acoustic Wave(SAW)
Sizes	7" to 32" (extending)
Controller Interface	USB and RS232
Resolution	4096*4096 ,Z-axis 256, not related with the sizes of the touch screen panel
Material	Pure glass
Positional Accuracy	Standard deviation of error is less than 0.080 in.(2mm)
Light Transmission	More than 90% per ASTM
Touch Activation Force	<80g
Durability	Scratch-free; More than 50,000,000 touches in one location without failure.
Surface Hardness	Mohs' hardness rating of 7
Operating Temperature	20°C to +60°C

Storage Temperature	-40°C to +70°C
Humidity	10%-90% RH at 40°C, non-condensing
Accessories	Connector cables, double-sided glue, dust-proof stripes

Controller Technical Specifications	
Outline Sizes	85mm*55mm*1.6mm
Working voltage	5V±0.25V
Working Current	95mA for 5V controller
Maximum Current	120mA for 5V controller
Response time	≤10.4ms
Operating Temperature	0°C-65°C
Operating humidity	10%-90%RH.No condensing.
Storage temperature	-25°C-85°C
Multi-Point Touch	Intelligent discrimination by software
Drivers Available	Windows: Win 8 / 7 / 10 / XP / 2000 / VISTA Linux: :

5. Special Touch Screen Products

Vandal-Proof Touch screen(S series)

4mm,6mm tempered glass
Super impact-proof performance
Ideal solution for unsupervised applications
Standard sizes available: 7" to 22"
GB9963-1998

Anti-glare Touch screen(G series)

Sunlight readable
Human engineering technology: eye fatigue reduction
Ideal solution for outdoor applications with strong sunlight
Standard sizes available: 7" to 24"

Dust-proof Touch screen(P Series)

Compliant with IEC IP6X standards
Protect the reflective grating and transducers from the dust and other objects
Excellent maintenance-free and durability
Sealed well with Alloy-aluminium frame
Applicable to the outdoor environment where in unsupervised or industrial environments
Standard sizes available: 7" to 24"

Water-proof Touch screen(W series)

Latest technology and design

Super-thin glass sensor
Easier integration
Free of maintenance
IP 65 Rated
Standard sizes available: 10" and 17" (customization available)
Sealed well with Plastic frame or Alloy-Aluminium Frame
Remark: combined special functions are available

6. Mechanical Drawings

6.1 Mechanical Drawing of the SAW size from 7" to 32", please kindly contact our sales.

6.2 Mechanical Drawing of Controller and cable

Technical specification: dual interface of USB/RS232; work on 5VDC which get from USB port and do not need another 5VDC power supplier;

