



GENERAL INFORMATION

(PRELIMINARY INFORMATION)

DESCRIPTION :

Capacitive Touch screen for wide temperature range in sizes from 5.8" up to 31.8". 3" announced for May 2010.

Systems Performance

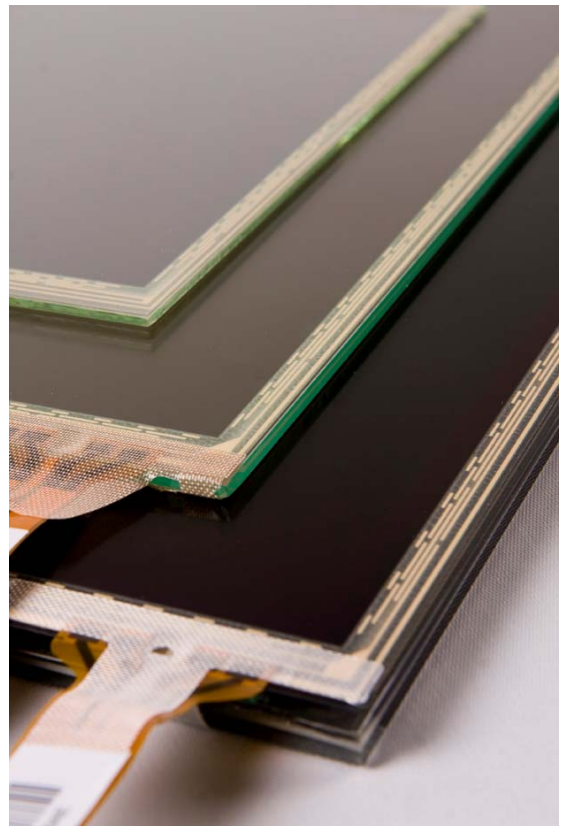
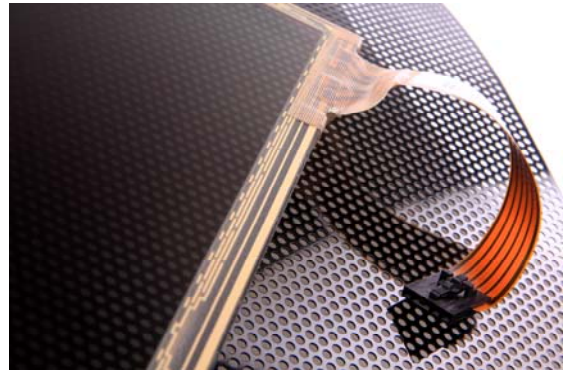
| | |
|--------------------|-----------------|
| Light Transmission | 90~95% |
| Input Method | Finger contact |
| Accuracy | max +/- 1% |
| Resolution | 2048*2048 pixel |

Electronics (Controller)

| | |
|-----------------------|---|
| Communication | RS 232 / USB |
| Dimensions | 2.48" x 1.29" 0,349" 62.0 x 33.0 x 10 mm |
| Operating temperature | -40~+85°C |
| Storage temperature | -40~+85°C |
| Operating current | 55mA (typ) |
| Power connection | RS232 / USB (5V) |
| ESD | +/- 27KV Air, +/- 8KV Contact |
| Point Speed | max. 180 points/sec. |
| Minimum Touch Time | max. 25msec. |
| MTBF | approx. 250,000 hrs. |

Reliability

| | |
|-----------------------|---|
| Surface Obstruction | The touch screen continues to operate with surface contaminants such as dirt, dust and grease |
| Chemical Resistance | ASTM F1598-95 |
| Liquid Resistance | Liquids on screen do not impede touch screen performance |
| Operating Temperature | -40~+85°C |
| Storage Temperature | -40~+85°C |
| Humidity | 60°C / 93+/-2% / 240hrs |



Power Systems – The Power Solution

Web: www.Power-Systems.de
Email: Info@Power-Systems.de

Address: Hauptstraße 48 ; 74360 Ilsfeld-Auenstein / Germany
Tel. : + 49 / 70 62 / 67 59 - 6
Fax: + 49 / 70 62 / 67 59 - 800

TOUCH SCREEN

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Operating Systems Supported

Windows 7
 Windows Vista / XP / 2000 / Server 2003
 Windows 95 / 98 / ME / NT4 / XP Tablet PC edition
 Windows CE 2.12 / 3.0 / .net (4.0, 5.0, 6.0)
 Linux (up to Kernel 2.6)
 MS-DOS: support display resolution: 320x200
 640x200, 640x350, 640x480, 800x600, 1024x768,
 1280x1024
 iMac 9.0 / OS X (Power PC, Intel PCU)
 QNX

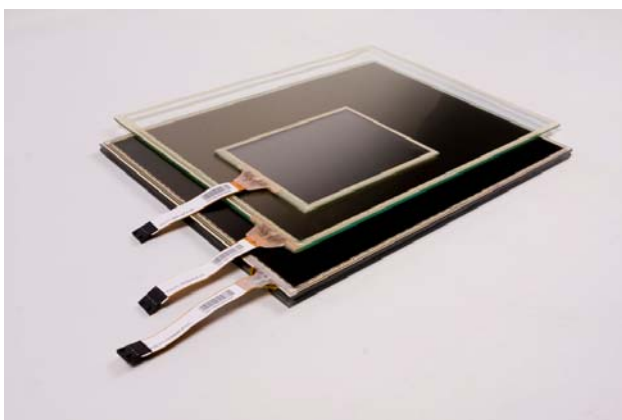


Mechanical

Glass Thickness 1.8 ~ 2.8mm (depends on size)
 Display Size 5.8 ~ 31.8 (our standard size)
 Scratch Resistance More than 9H per ASTM-D3363
 Sealing / Gasketing Touch screen is water-proof itself It depends on method of assembly to ensure a whole system to be water-proof
 Cleaning Water, isopropyl alcohol or simelar non-abrasive cleaners
 RoHs Directive RoHS compliant

Available Sizes

| Display Size | Part number | 4:3 | 16:9 |
|--------------|----------------|-----|------|
| 5,8" | F1-05811APA-G0 | X | |
| 6,8" | F1-06811APA-G0 | X | |
| 7,3" | W1-07311APA-G0 | | X |
| 8,5" | F1-08511APA-G0 | X | |
| 10,8" | F1-10841APA-G0 | X | |
| 10,8" | F1-10822APA-N0 | X | |
| 12,4" | F1-12422APA-N0 | X | |
| 12,4" | W1-12432APA-N0 | | X |
| 15,7" | F1-15722APA-N0 | X | |
| 15,7" | W1-15752APA-N0 | | X |
| 17,1" | W1-17112APA-N0 | | X |
| 17,5" | F1-17522APA-N0 | X | |
| 18,4" | F1-18412APA-N0 | X | |
| 19,0 (18,5)" | W1-19022APA-N0 | | X |
| 19,4" | F1-19412APA-N0 | X | |
| 19,4" | W1-19432APA-N0 | | X |
| 19,8" | F1-19812APA-G0 | X | |
| 20,3" | W1-20312APA-G0 | | X |
| 22 (21,6)" | W1-22012APA-G0 | | X |
| 22,4" | W1-22412APA-G0 | | X |
| 26,3" | W1-26312APA-G0 | | X |
| 31,8" | W1-31812APA-G0 | | X |



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