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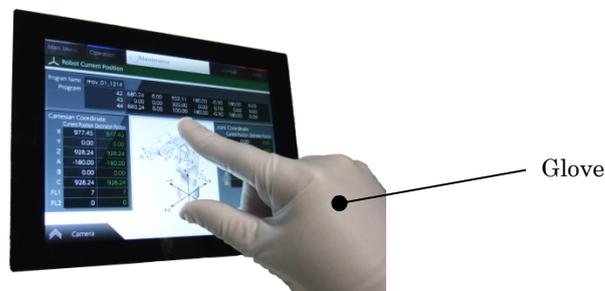
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Mitsubishi Electric to Launch Color TFT-LCD Modules With Projected Capacitive Touch Panels for Wide Industrial Application

Market-leading touch function and sensitivity combined with thick, 5mm cover glass

TOKYO, December 24, 2015 – [Mitsubishi Electric Corporation](http://www.mitsubishielectric.com) (TOKYO: 6503) announced today the coming launch of two seven-inch WVGA color TFT-LCD modules with projected capacitive touch panels with up to five millimeter-thick cover glass. Sample sales will begin on January 5 through Mitsubishi Electric offices worldwide.



Mitsubishi Electric Color TFT-LCD module with projected capacitive touch panel
AA070ME11-PCAP / AA070MC11-PCAP

The touch panel modules with extra-thick cover glass are expected to meet increasing industrial demands for thick cover glass, operation with gloves, multi-touch sensing, and accurate sensing even when the screen is wet. The combination of these cutting-edge touch capabilities and Mitsubishi's proven TFT-LCD technologies will accommodate diverse applications and installations.

Product Features

1) Projected capacitive touch panels offering top-level operability for diverse industrial uses

- Thick, five-millimeter cover glass withstands rugged usage
- Ten-point touch operation with accurate sensing
- High-level operability, even with gloves or wet screen

2) Total touch-panel solution

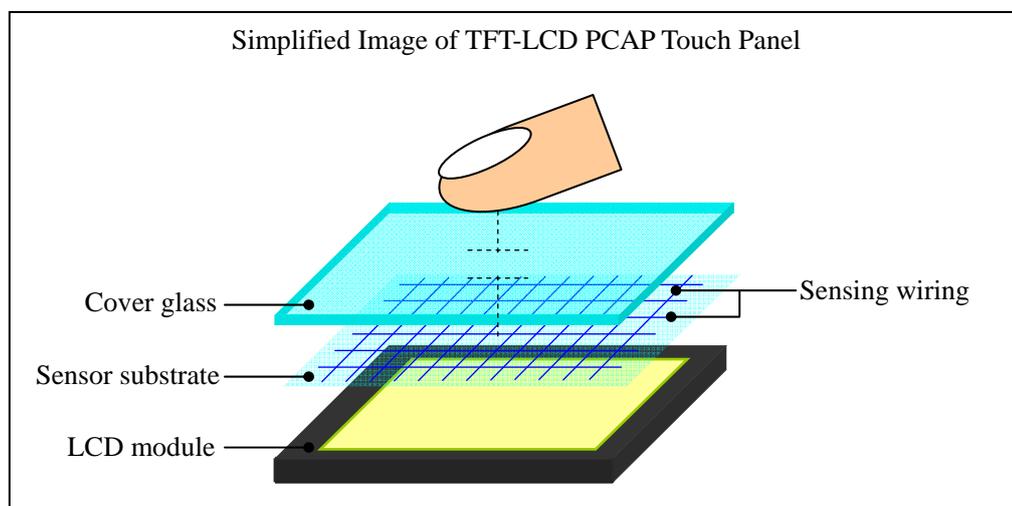
- One-stop solution for TFT-LCD, touch panel and touch-control board
- Optional optical bonding (resin bonding of TFT-LCD module, touch-panel sensor and cover glass) for clearer images in bright environments, tempered cover glass and anti-reflection/anti-smudge surface treatment for wider application
- Factory-installed TFT-LCD, PCAP touch panel, cover glass and touch controller for excellent reliability

Sample Sale Schedule

| Product | Model | Brightness (cd/m ²) | Viewing angle (CR>10) (°) | Shipment |
|---|----------------|---------------------------------|----------------------------------|-----------------|
| 7.0-inch WVGA TFT-LCD Module with Projected Capacitive Touch Panels | AA070ME11-PCAP | 1200 | -80 to +80 (H) -80 to +60 (V) | January 5, 2016 |
| | AA070MC11-PCAP | 1000 | -85 to +85 (H) -85 to +85 (V) | |

Projected Capacitive Touch (PCAP)

Capacitive touch is a touch screen technology that uses two perpendicular layers of conductive material to form a grid. When a current is applied, it forms a uniform electrostatic field. The touch of a finger or other conductive object distorts the field, allowing the system to accurately track movement across the screen at multiple points. This technology is used commonly for smartphones and tablets.



Specifications

| Model | | AA070ME11-PCAP | AA070MC11-PCAP |
|--------------------------------|---|--|--|
| Display size/resolution | | 17.8cm (7.0 inches) WVGA | 17.8cm (7.0inches) WVGA |
| Display area (mm) | | 152.4 (H) × 91.44 (V) | 152.4 (H) × 91.44 (V) |
| Number of dots | | 800 (H) × 480 (V) | 800 (H) × 480 (V) |
| Pixel pitch (mm) | | 0.1905 (H) × 0.1905 (V) | 0.1905 (H) × 0.1905 (V) |
| Contrast ratio | | 600:1 | 1000:1 |
| Luminance (cd/m ²) | | 1,200 | 1,000 |
| Viewing angle (CR>10) (°) | | -80 to +80 (H) -80 to +60 (V) | -85 to +85 (H) -85 to +85 (V) |
| Colors | | 262K (6 bits/color), 16.7M (8 bits/color) | 262K (6 bits/color), 16.7M (8 bits/color) |
| Electrical interface | | LVDS 6/8 bits | LVDS 6/8 bits |
| Size (mm) | W | 189.8 (LCD: 169.8) | 189.8 (LCD: 169.8) |
| | H | 129.7 (LCD: 109.7) | 129.7 (LCD: 109.7) |
| | D | 13.6 (LCD: 8.9)* | 13.6 (LCD: 8.9)* |
| Operational temperatures (°C) | | -30 to +70 | -30 to +70 |
| Storage temperatures (°C) | | -30 to +80 | -30 to +80 |
| Glass thickness (mm) | | Up to 5mm | |
| Black mask printing | | Available | |
| Strengthening treatment | | Available | |
| Low-reflection treatment | | Available | |
| Anti-smudge treatment | | Available | |
| Optical bonding | | Available | |
| Controller interface | | USB | |
| Operating systems** | | Windows7/8.1 and Linux | |

* Depends on cover glass thickness (here, 1.1 mm thickness)

** Support for other operating systems is available upon request.

Environmental Awareness

The model is mercury-free and fully compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive 2011/65/EU.

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About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,323.0 billion yen (US\$ 36.0 billion*) in the fiscal year ended March 31, 2015. For more information visit:

<http://www.MitsubishiElectric.com>

*At an exchange rate of 120 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2015

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