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Mitsubishi Electric to Launch 17.5-inch Color TFT-LCD Module

TOKYO, March 6, 2013 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today it will launch a 17.5-inch wide-XGA, color TFT-LCD module for industrial applications such as POS terminals, factory line displays and others. This model features the unprecedented combination of a super-wide 170-degree viewing angle (both horizontally and vertically), 1000:1 high contrast ratio, -20 to 70 degree Celsius operational temperature range and 100,000 standard hours of LED backlight life. Sales will begin April 1 through Mitsubishi Electric global offices. (www.MitsubishiElectric.com/bu/tft_lcd/network).



AA175TE03

The new TFT-LCD module meets increasing market demands for high-contrast, wide viewing angle modules that can be used in extreme operational temperatures for flexible application and installation. With the launch, Mitsubishi Electric will increase its lineup of super wide viewing angle modules up to 14. Features of the new module are as follows:

Super-wide viewing angle, high brightness & contrast, and vivid color

- 170-degree super-wide horizontal/vertical viewing angle ensures excellent visibility, even for off-center installation.
- High contrast ratio of 1000:1 for easy visibility in bright environments.

Long-life backlight through use of white light-emitting diodes (LED)

- The LED backlight has a typical operating life of 100,000 hours at 25 degree Celsius ambient temperature enabled by unique structure and heat dissipation technology developed in-house.
- No high-voltage inverter required.

Wide-range operational temperature range

- Market-leading range of operational temperatures, from -20 to 70 degree Celsius, to withstand extreme outdoor environments.

Environmental awareness

- Mercury-free and fully compliant with Europe’s Restriction of Hazardous Substances Directive (RoHS).

Specifications

Model Number	AA175TE03
Display size (resolution)	17.5-inch (1280 × 768 dots)
Display Area (mm)	380.2 (H) × 228.1 (V)
Dots	1280 (H) × 768 (V)
Pixel Pitch (mm)	0.297(H) × 0.297 (V)
Contrast Ratio	1000: 1
Luminance (cd/m ²)	450
Viewing Angles (CR>10)(°)	-85 to +85 (H); -85 to +85 (V)
Colors	262K (6 bits/color); 16.77M (8 bits/color)
Backlight Unit	LED
Electrical Interface	LVDS 6/8bit
Dimensions (mm)	404.0 (W) × 258.0 (H) × 16.2 (D)
Operating Temperatures (°C)	-20 to +70
Storage Temperatures (°C)	-20 to +80

Super-wide viewing angle lineup

Display	Resolution	Model	Display	Resolution	Model
5.0-inch	WVGA (800×480)	AA050MG01	10.4-inch	SVGA (800×600)	AA104SJ02
7.0-inch	WVGA (800×480)	AA070MC01/11	10.6-inch	WXGA (1280×768)	AA106TA01/11
8.4-inch	SVGA (800×600)	AA084SC01	12.1-inch	SVGA (800×600)	AA121ST01
9.0-inch	WVGA (800×480)	AA090ME01	15.0-inch	XGA (1024×768)	AA150XS02/11
	QHD (960×540)	AA090AA01	17.5-inch	WXGA (1280×768)	AA175TE03
	WXGA (1280×768)	AA090TA01			

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About Mitsubishi Electric

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 3,639.4 billion yen (US\$ 44.4 billion*) in the fiscal year ended March 31, 2012. For more information visit <http://www.MitsubishiElectric.com>

*At an exchange rate of 82 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2012