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Mitsubishi Electric to Launch 12.3-inch Wide HD Color TFT-LCD Module

Highly diverse model targeted at medical equipment and industrial devices

TOKYO, September 26, 2018 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today it will launch a 12.3-inch Wide HD TFT-LCD module for industrial applications including medical equipment, machine tools and more. The new TFT-LCD offers an unprecedented combination of features, including an extra-wide screen, super-wide 176-degree horizontal/vertical viewing angles, high resolution Wide HD (1,920 × 720 dots), super-high brightness of 1,600cd/m², high contrast ratio of 1000:1, and versatile operating temperature range of -40 to 80 degrees Celsius. Sample sales will begin November 1 through Mitsubishi Electric offices worldwide.



Mitsubishi Electric Color TFT-LCD Module (AA123AD11)

Mitsubishi Electric expects its new TFT-LCD to satisfy increasingly versatile application and installation requirements with its extra-wide screen and viewing angles, high resolution, extra-high brightness, high-contrast, and extra-diverse temperature resistance.

Mitsubishi Electric now offers 35 TFT-LCD modules with super-wide viewing angles.

Product Features

1) *Extended screen width accommodates extensive information*

- Wide screen with 8:3 aspect ratio can display extensive information through the use of multiple windows
- Extra-wide display boasts an optimized mechanical design proven in tests to be as strong as existing Mitsubishi AA models (released prior to July 2018)

2) *Super-wide viewing angles, high resolution, super-high brightness and high contrast ratio*

- Super-wide 176-degree viewing angles, both horizontal and vertical, ensure excellent visibility across a wide range of installations
- High-resolution 1,920 (H) × 720 (V) Wide HD screen capably handles rich information
- Super-high brightness of 1,600cd/m² and high contrast ratio of 1000:1 offer excellent visibility in bright environments and dimming from 1% to 100% assures easy visibility in any ambient light

3) *Market-leading operating temperature range for outdoor use*

- Unmatched operating temperature range from -40 to 80 degrees Celsius withstands extreme outdoor environments to meet the demands of customers around the world

Sales Schedule

Product	Model	Shipment date
12.3-inch Wide HD TFT-LCD Module	AA123AD11	November 1, 2018

Specifications

	AA123AD11
Display size (resolution)	31.2cm (12.3-inch) Wide HD
Display area (mm)	292.32 (H) × 109.62 (V)
Dots	1920 (H) × 720 (V)
Pixel pitch (mm)	0.15225 (H) × 0.15225 (V)
Contrast ratio	1,000:1
Luminance (cd/m ²)	1,600
View angles (°) (U/D), (L/R)	88/88,88/88
Colors	262k (6-bit/color) / 16.77M (8-bit/color)
Color gamut (NTSC; %)	50
Backlight unit	LED
Electrical interface	LVDS 6/8-bit
Dimensions (mm)	314.5 (W) × 129.5 (H) × 10.4 (D)
Operating temperatures (°C)	-40 to +80
Storage temperatures (°C)	-40 to +80

Super-Wide Viewing-Angle Lineup

Display	Resolution	Model	Display	Resolution	Model
3.5-inch	QHD	AA035AE01	10.1-inch	WXGA	AA101TA02/12
5.0-inch	WVGA	AA050MG03/MH01	10.4-inch	SVGA	AA104SJ02
7.0-inch	WVGA	AA070MC01/11		XGA	AA104XG02/12
		AT070MP01/11	10.6-inch	WXGA	AA106TA01/11
	WXGA	AA070TA01/11	12.1-inch	SVGA	AA121ST01
7.8-inch	800 × 300	AA078AA01		XGA	AA121XP01/13
8.0-inch	WVGA	AT080MD01/11		WXGA	AA121TH01/11
8.4-inch	SVGA	AA084SC01	<u>12.3-inch</u>	<u>Wide HD</u>	<u>AA123AD11</u>
	XGA	AA084XD01/11	15.0-inch	XGA	AA150XW01/14
9.0-inch	WVGA	AA090ME01		SXGA+	AA150PD03/13
	WXGA	AA090TB01	17.5-inch	WXGA	AA175TE03

Environmental Awareness

The models are 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 nearly 100 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 4,444.4 billion yen (in accordance with IFRS; US\$ 41.9 billion*) in the fiscal year ended March 31, 2018. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 106 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2018