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FOR IMMEDIATE RELEASE

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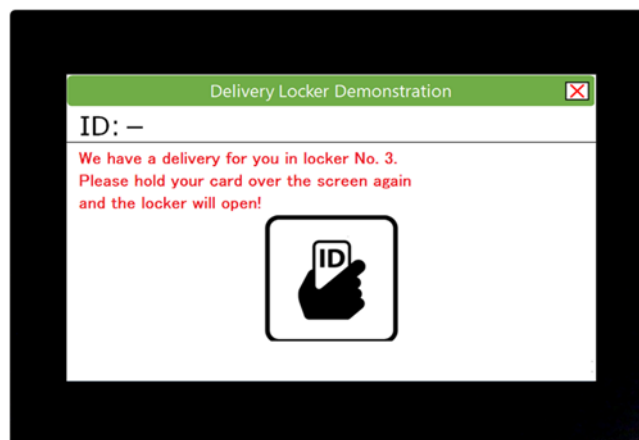
Mitsubishi Electric to Launch 7.0-inch WVGA Color TFT-LCD Modules with Near-Field Communication Antenna and Projected Capacitive Touch Panels

Ideal for use in a wide range of applications such as access control system terminals

UPDATED, February 20, 2020 – Although Mitsubishi Electric was, at the time of the original press release, planning to participate and exhibit the new product at embedded world 2020 in Nuremberg, Germany from February 25 to 27, decision has been made not to.

TOKYO, January 23, 2020 – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today the launch of a 7.0-inch WVGA TFT-LCD module equipped with a built-in short-range NFC¹ antenna and a projected capacitive touch panel. The new module is designed for use in a wide range of applications such as access control system terminals. Sample sales will begin on March 31, 2020 via Mitsubishi Electric offices worldwide.

¹. Near-Field Communication: short-range wireless communication standard that enables communication when devices come close to or in contact with each other



Mitsubishi Electric Color TFT-LCD module with NFC antenna projected capacitive touch panel
Model AN070MC11ADA11

With their built-in NFC antennas, the new modules will save space, offer improved ease of use and boost the deployment of NFC-enabled services and devices.

The new products will be exhibited at embedded world 2020 in Nuremberg, Germany from February 25 to 27.

Product Features

1) *Built-in NFC antenna saves equipment space and improves usability*

- Built-in NFC antenna eliminates the need for an external NFC antenna, helping to minimize equipment space
- Optimal design of the NFC antenna enables communication through LCD screens; these display the precise position on the screen a user needs to hold their contactless card or smartphone, allowing easy and intuitive operation

2) *Ultra-wide viewing angle, ultra-high brightness and high contrast allow deployment in a wide range of locations and applications*

- Offers an ultra-wide viewing angle of 176 degrees vertically and horizontally, ultra-high brightness (1040cd / m²), and high contrast (1000:1)
- Can be used outdoors and in other bright environments

3) *A total solution incorporating a wide range of options including touch panels*

- Provides a total solution, including TFT LCD module, NFC antenna, touch panel and control board
- Offers a variety of options, such as optical bonding², which provides excellent visibility even outdoors and in other bright environments, and strengthened protective glass with low reflective capabilities, treated to resist fingerprints

². A structure in which a TFT liquid crystal module, a touch panel sensor and protective glass are bonded with resin.

Sales Schedule

Product	Model	Display Size	Resolution	Sample Shipments
TFT-LCD Modules with NFC antenna and Projected Capacitive Touch Panels	AN070MC11ADA11	7.0-inch	WVGA	March 31, 2020

Specifications

Model		AN070MC11ADA11
Display size/resolution		17.8cm (7.0 inches) WVGA
Display area (mm)		152.4 (H) × 91.44 (V)
Number of dots		800 (H) × 480 (V)
Pixel pitch (mm)		0.1905 (H) × 0.1905 (V)
Contrast ratio		1000:1
Luminance (cd/m ²)		1040
Viewing angles (°) (U/D), (L/R)		88/88, 88/88
Colors		262K (6 bits/color), 16.77M (8 bits/color)
LED driver		—
Electrical interface		LVDS 6/8 bits
Size (mm)	W	189.8 (LCD: 169.8)
	H	129.7 (LCD: 109.7)
	D	14.6 (LCD: 8.9) ³
Operational temperatures (°C)		-30 to +70
Storage temperatures (°C)		-30 to +80
Glass thickness (mm)		Up to 5
Black mask printing		Available
Strengthening treatment		Available
Low-reflection treatment		Available
Anti-smudge treatment		Available
Optical bonding ³		Available
Controller interface		USB
Operating systems ⁴		Windows7/8.1/10 and Linux

³. Depends on cover glass thickness (1.1mm in this example)

⁴. Support for other operating systems is available upon request

Environmental Awareness

These models are compliant with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive 2011/65/EU and (EU) 2015/863.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

Linux is the registered trademark of Linus Torvalds in the United States and other countries.

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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 a revenue of 4,519.9 billion yen (US\$ 40.7 billion*) in the fiscal year

ended March 31, 2019. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 111 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2019