

# Mitsubishi GT2712-STWA Manual

|                |                                     |
|----------------|-------------------------------------|
| Brand          | Mitsubishi                          |
| Product Series | Mitsubishi Pepperl+Fuchs Omron      |
| Product Type   | Programmable touchscreen HMI device |

## Description

The GT2712-STWA from Mitsubishi is a versatile programmable touchscreen HMI device from the GOT2000 series. It features a 12.1-inch TFT LCD with 800 x 600 pixels resolution and supports 65,536 colors for clear visual output. Designed with robust specifications, it operates within a temperature range from 0°C to 55°C and has IP67F-rated protection on the front to guard against dust and water ingress.

### Technical specifications for GT2712-STWA

Manufacturer Mitsubishi

Product Type Programmable touchscreen HMI device

Product Line GOT2000

Part Number GT2712-STWA

Weight 20.00 lbs (9.07 kg)

Installation Dimensions Device: 316 x 246 x 52 mm; Cut-out: 302 x 228 mm

Operating Temperature Limits Functional from 0°C to 55°C

Protective Features Front rated at IP67F; rear rated at IP2X

Display Technology TFT-based LCD display

Screen Resolution SVGA: 800 x 600 pixels

Screen Size Diagonal size of 12.1 inches

Color Display Capability 65,536 distinct colors

Touch Interface Resistive analog touch screen

Backlight Type and Durability LED, non-replaceable, lifespan approximately 60,000 hours at 25°C

Communication Options Ethernet (1 channel, 100BASE-TX/10BASE-T, RJ45), USB (2 host ports, 1 device port)

Memory Allocation 57 MB (ROM), 128 MB (RAM)

Power Input Range 100 V AC to 240 V AC with +10%/-15% variation

Power Consumption 44 W with maximum load

### Description

Mitsubishi's GT2712-STWA is a programmable touchscreen human-machine interface (HMI) from the GOT2000 series. This device is engineered to facilitate user interaction with machines and systems through a vivid 12.1-inch TFT-derived LCD. With a resolution measuring 800 x 600 pixels, it supports a color range of 65,536 hues for precise visuals. The touchscreen functionality utilizes a resistive analog technology, providing direct input control.

Designed for installation convenience, the GT2712-STWA's approximate weight is 2.4 kg. The device measures 316 x 246 x 52 mm, with a corresponding cut-out dimension of 302 x 228 mm. The unit operates efficiently within temperature limits from 0°C to 55°C and is equipped with protective ratings of IP67F on the front for water and dust resistance, while the rear is rated IP2X.

This device's backlight is LED-type and non-replaceable, with a lifespan of approximately 60,000 hours when operating at 25°C. The GT2712-STWA offers various communication options, including a single Ethernet channel (100BASE-TX/10BASE-T via RJ45) and three USB ports—two hosted and one device port—allowing for flexibility in system integration. Memory capacity comprises 57 MB of ROM and 128 MB of RAM, facilitating effective data handling. Power input requirements range from 100 V AC to 240 V AC, with an allowable variation of +10%/-15%. When fully loaded, the device has a power consumption of 44 W, ensuring it operates effectively in

diverse industrial applications.

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