

Mitsubishi GT2712-STWD Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	Graphic Operation Programmable Terminal (HMI)

Description

Mitsubishi's GT2712-STWD is a versatile graphic operation programmable terminal designed for efficient human-machine interaction. It boasts a 12.1-inch TFT color LCD with an SVGA resolution of 800 x 600 pixels, presenting a palette of 65,536 colors for clear and vivid displays.

Technical specifications for GT2712-STWD

Manufacturer Mitsubishi

Product Type Graphic Operation Programmable Terminal (HMI)

Product Line GOT2000

Part Number GT2712-STWD

Weight 20.00 lbs (9.07 kg)

Display Technology TFT color LCD

Screen Size 12.1 inches (W: 246 mm x H: 184.5 mm)

Resolution SVGA (800 x 600 pixels)

Display Colors 65,536 colors

Touch Panel Type Analog resistive film

Touch Panel Life 1 million touches minimum

Power Supply Voltage 24 V DC (+25%, -20%)

Power Consumption 45 W maximum

Communication Interfaces Ethernet (1 channel, 100BASE-TX), RS-232, RS-422/485

USB Ports 2 USB host channels, 1 USB device channel

SD Card Support 1 SD card slot, up to 32 GB, SDHC compliant

Backlight Type and Life LED, 60,000 hours at 25°C, 50% brightness

Environmental Resistance Noise immunity 500 Vp-p; withstands voltage 350 V AC for 1 minute

Operating Temperature Range 0°C to 50°C

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Description

The GT2712-STWD from Mitsubishi is classified as a graphic operation programmable terminal or HMI. The interface is highlighted by a 12.1-inch TFT color LCD screen, which measures 246 mm in width and 184.5 mm in height. This display supports an SVGA resolution of 800 x 600 pixels and can showcase up to 65,536 colors, providing users with a detailed visual experience.

Designed with functionality, this terminal uses an analog resistive film for touch interaction, guaranteeing a minimum lifespan of 1 million touches. The device requires a power supply of 24 V DC, with a tolerance of +25% to -20%. Its power consumption peaks at 45 watts, ensuring efficient operation.

The GT2712-STWD comes equipped with multiple communication interfaces. These include a single 100BASE-TX Ethernet channel and RS-232 and RS-422/485 support for versatile connectivity options. Additionally, it features two USB host channels and one USB device channel, broadening its compatibility with various external devices.

This model includes an SD card slot compatible with SDHC to manage storage needs, allowing up to 32 GB of storage. The backlighting system utilizes LED technology, offering a life expectancy of 60,000 hours at 50% brightness when operating at 25°C. Environmental durability is reflected in its specifications, which include noise immunity of 500 Vp-p and the ability to withstand a test voltage of 350 V AC for one minute.

This terminal's operating temperature range is from 0°C to 50°C, making it suitable for different industrial settings. Overall, the GT2712-STWD combines functional design with advanced display technology, serving as an effective tool for various applications.

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