

Mitsubishi GT2708-VTBA Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	Programmable Touchscreen HMI

Description

The GT2708-VTBA from Mitsubishi is a programmable touchscreen HMI with an 8.4-inch TFT color LCD display. With a resolution of 640 x 480 pixels, it supports 65,536 colors and utilizes analog resistive touch technology for user interaction.

Technical specifications for GT2708-VTBA

Manufacturer Mitsubishi

Product Type Programmable Touchscreen HMI

Product Line GOT2000

Part Number GT2708-VTBA

Weight 15.00 lbs (6.80 kg)

Display Technology TFT color LCD

Screen Size 8.4 inches

Resolution 640 x 480 pixels (VGA)

Color Depth 65,536 colors

Touch Technology Analog resistive film

Memory (ROM) 57 MB

Memory (RAM) 128 MB

Brightness Adjustment Levels 32 levels

Backlight LED (non-replaceable)

Backlight Life Expectancy Approximately 60,000 hours

Interface Ports RS-232, RS-422/485, Ethernet, USB

Protective Structure Front: IP67F; Inside panel: IP2X

Power Supply 100-240 V AC, 50/60 Hz

Power Consumption 15 W (max load); 10 W (backlight off)

Description

The Mitsubishi GT2708-VTBA is a versatile, programmable, HMI designed for effective user-machine interaction. This unit showcases an 8.4-inch TFT color LCD screen that provides sharp visuals with a VGA resolution 640 by 480 pixels. It can display 65,536 colors, enhancing the clarity and detail of the interface for users.

An analog resistive film facilitates touch input, allowing for precise control and input. The memory configuration includes 57 MB of ROM and 128 MB of RAM, enabling the storage of necessary data and facilitating efficient operation. The display's brightness can be adjusted through 32 levels for user comfort, ensuring visibility in various lighting conditions.

A non-replaceable LED backlight extends the life of the display, with an expected longevity of approximately 60,000 hours on average. Thanks to an array of interface ports, including RS-232, RS-422/485, Ethernet, and USB, connectivity is flexible. This ensures comprehensive integration compatibility with multiple devices and systems.

In terms of protection, the front panel is rated IP67F, making it resistant to dust and water ingress and suitable for demanding environments. The inside panel is rated IP2X, which offers additional protection against solid objects. The unit is powered by 100 to

240 volts AC and operates at a frequency of 50 or 60 Hz. Maximum power consumption is rated at 15 W, dropping to 10 W when the backlight is off, optimizing energy efficiency.

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