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› [FPBIGCHA MT8072iP HMI Touch Screen 7 inch USB Ethernet Human Machine Interface User Manual](#)

FPBIGCHA MT8072iP-Ethernet

FPBIGCHA MT8072iP HMI Touch Screen User Manual

Model: MT8072iP-Ethernet

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your FPBIGCHA MT8072iP HMI Touch Screen. The MT8072iP is a 7-inch Human Machine Interface designed for industrial automation applications, featuring USB and Ethernet connectivity. It offers clear images and touch/key functions for efficient control and monitoring.

SETUP

Follow these steps to set up your MT8072iP HMI unit. Ensure all power is disconnected before making any connections.

1. Power Connection

Connect the 24V DC power supply to the designated terminal block labeled **FG 24VDC** on the rear panel. Ensure correct polarity.

2. Communication Ports

- **COM1 (RS232):** Use this port for RS232 serial communication with compatible devices.
- **COM2 (RS485):** Use this port for RS485 serial communication, suitable for longer distances and multi-drop networks.

3. USB and Ethernet Connections

- **USB Ports:** Connect USB devices such as flash drives or programming cables to the available USB ports.
- **Ethernet Port:** Connect an Ethernet cable to the Ethernet port for network communication and data exchange.



Figure 1: Rear panel of the MT8072iP HMI. This image displays the various connection points including the FG 24VDC power input, COM1 (RS232) and COM2 (RS485) serial ports, two USB ports, and an Ethernet port.

OPERATING

The MT8072iP HMI is designed for intuitive operation through its 7-inch touch screen and integrated key functions.

1. Power On/Off

Once the power supply is connected, the unit will typically power on automatically. To power off, ensure proper shutdown procedures are followed as per your system's configuration to prevent data loss.

2. Touch Screen Interaction

Navigate through menus and interact with controls by gently touching the screen. The display resolution of 800x480 ensures clear visibility of graphical interfaces.

3. Key Functions

Utilize any physical keys on the unit for specific functions as defined by the application software. These keys often provide quick access to critical operations or navigation.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your HMI unit.

1. Cleaning

To clean the screen and casing, use a soft, lint-free cloth dampened with a mild, non-abrasive cleaning solution. Avoid harsh chemicals, solvents, or abrasive materials that could damage the display or housing. Ensure the unit is powered off before cleaning.

2. Environmental Conditions

Operate the HMI within its specified temperature and humidity ranges. Avoid exposure to direct sunlight, excessive dust, moisture, or corrosive environments. Ensure adequate ventilation around the unit.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

- **No Power:**

Check the 24V DC power supply connection. Ensure the power source is active and the wiring to the FG 24VDC terminal block is secure and correctly polarized.

- **Display Not Working:**

Verify the unit is powered on. If the backlight is off, check display settings within the HMI software. If the screen remains blank, contact support.

- **Touch Screen Unresponsive:**

Restart the HMI unit. If the issue persists, recalibrate the touch screen if the option is available in the system settings. Ensure the screen is clean and free from obstructions.

- **Communication Errors:**

Check all serial (RS232/RS485) and Ethernet cable connections. Verify communication settings (baud rate, parity, IP address) in the HMI software match the connected device.

SPECIFICATIONS

Feature	Specification
Display Size	7 inches
Resolution	800 x 480 pixels
Connectivity	USB, Ethernet, COM1 (RS232), COM2 (RS485)
Application	Industrial automation equipment
Input Voltage	24V DC
Item Weight	1.1 pounds

Package Dimensions	1.18 x 0.79 x 0.39 inches
Assembly Required	No

WARRANTY INFORMATION

This product comes with a standard manufacturer's warranty. For detailed information regarding warranty terms, duration, and claim procedures, please refer to the documentation provided with your purchase or contact the seller directly.

SUPPORT

For technical assistance, product inquiries, or further support, please contact your vendor or the manufacturer's customer service. Have your product model number (MT8072iP-Ethernet) and purchase details ready when contacting support.

