

EZTouch mini.PLC[®] Specification Sheet

| EZTouch.mini.PLC Model Specifications | | |
|---------------------------------------|--|--|
| Model | 3.5" EZTouchminiPLC | 6" EZTouchminiPLC |
| Part Number | EZ-T4C-MINIPLC - \$349 EZ-T4C-MINIPLC-E - \$459 | EZ-T6C-MINIPLC - \$499 EZ-T6C-MINIPLC-E - \$599 |
| Total I/Os | Fixed I/O PLC, 12 DC Inputs (250 KHz Quadrature Encoder input configurable), 8 DC Sourcing Outputs, 4 Relay Outputs, 2 Analog In (0-10V), 1 Analog Out (0-10V) | |
| Digital Inputs | 4 configurable Sinking or Sourcing <u>electrically isolated</u> inputs, 8 Sourcing inputs (3 inputs configurable for a Counter Quadrature input with A, B, and RST signals up to 250 KHz) | |
| Digital Outputs | 8 Sourcing Outputs (50 V, 500mA per output, Short Circuit Proof with Fly Back Diodes and Overload Protection) | |
| Relay Outputs | 4 Relay Outputs (1 Form C Relays rated at 5 Amps each with RC Snubber Protection) | |
| Analog I/Os | 2 Analog In (0-10V), 1 Analog Out (0-10V) - 12 bit Resolution (0 to 4095) | |
| Display Type | 3.5" TFT / 5.7" TFT (128 Color Palette) | |
| Brightness/Life | 400 nits / 75,000 hours@55 °C (White LED) | |
| Screen Resolution | 320 x 240 | |
| Touch Screen | 48 Resistive Touch Cell (8x6) | |
| Num of Display Screens | Up to 999 Limited by display memory | |
| Display Screen Saver | Yes, Backlight Off | |
| Maximum Power Consumption | Backlight ON: 12 Watts @ 24VDC, All I/O ON max power 30 Watts | |
| PLC Features | Full Featured with Free-Flow Ladder Logic, Function Blocks, Advanced Math and Auto-Tuned PID control | |
| # of PLC Registers | Non-volatile registers/Bits: 8192 16Bit, Registers: 256, S-bits: 128 | |
| PLC Typical Scan Time | 5ms | |
| Real Time Clock/Cal. | Built-In, Lithium coin cell battery with 5 year life expectancy, with a low battery indicator | |
| PLC LED Indicators | Input Power, CPU Status | |
| Electrical Noise | Nema ICS 2-230 Showering arc; ANSI C37.90a SWC; Level C Chattering Relay Test | |
| Withstand Voltage | 1000VDC (1 minute) between power supply input terminal and protective ground) | |
| Insulation Resistance | Over 20M Ohm between power supply input and terminal and protective ground | |
| Enclosure | Nema 4, 4x (indoor) | |
| Operating Temperature | 0 to 55°C (32 to 131°F) | |
| Storage Temperature | -20 to 60°C (-4 to 140°F) | |
| Vibration | 5 to 55Hz 2G's for 2 hours in X,Y,and Z axis | |
| Shock | 10G for under 12ms in the X,Y, and Z axis | |
| Humidity | 10-95% RH, Non-Condensing | |
| Communication Ports | Built-in 9-pin D Sub (female) RS232/485/422 and Ethernet Ports (optional model) | |
| Agency Approval | UL, CUL, CE | |
| External Dimensions | 5.06" x 4.08" x 1.783" (129 x 104 x 45.3mm) | 8.050" x 6.150" x 2.8" (204.47 x 156.21 x 71.12 mm) |
| Weight | 2 lbs | |

EZTouch mini.PLC® 6" TFT Color

6" Color EZTouch.mini.PLC (5.7" TFT) Overview

EZTouchminiPLC is an engineering marvel with a 5.7" TFT Color HMI Touchscreen + Full Blown PLC + 27 I/O points great for all types of control applications.

The EZTouchminiPLC offers advanced HMI functions including great graphics, animation, data logging, alarm management, Advanced PLC ladder instructions and function blocks.



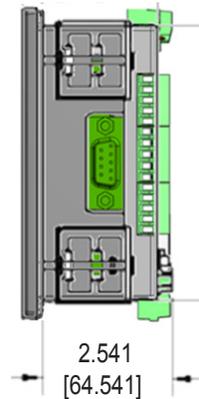
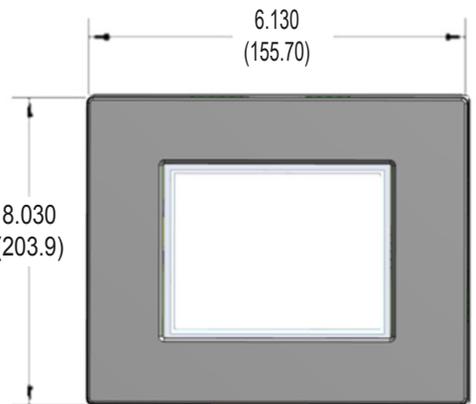
Features:

HMI:

- 5.7" TFT Color Touchscreens
- Built-in Image Library (4000+ Symbols)
- Advanced Alarm Messages & Screens
- Email & Text Message Alerts
- Trending Graphs
- Data logging
- Up to 999 User designed screens
- Patented Online Edit of HMI (No Machine Downtime, Edit on the Fly)
- Ethernet Port for Remote Access and connectivity to PLCs, AC Drives, or 3rd party devices
- Dual Driver Support to simultaneously interface with Major Brand PLCs or AC Drives (Allen Bradley, ABB, Omron, Siemens, Mitsubishi, Automation Direct etc.)

PLC:

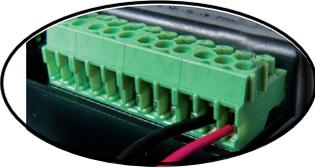
- Total I/O: 27 points. 12 DC Inputs (250 KHz Quadrature Encoder input configurable), 8 DC Sourcing Outputs, 4 Relay Outputs, 2 Analog In (0-10V), 1 Analog Out (0-10V)
- Auto-tuned PID,
- Advanced Math Function Blocks
- Recipe Editing
- Date, Time and Event Based Control
- Advanced Ladder Logic Instruction Set
- Quadrature Input for High Speed Counter up to 250 KHz



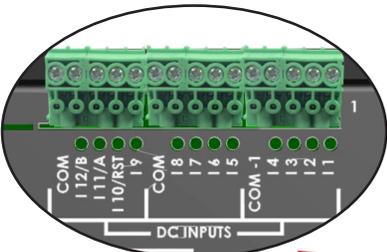
| Part Number | Description | Price |
|-------------------------|--|-------|
| EZ-T6C-MINIPLC | 5.7" TFT Color, 12 DC Inputs, 8 DC Sourcing Outputs, 4 Relay Outputs (5 Amp each), 2 Analog In (0-10V), 1 Analog Out (0-10V) | \$449 |
| EZ-T6C-MINIPLC-E | 5.7" TFT Color, 12 DC Inputs, 8 DC Sourcing Outputs, 4 Relay Outputs (5 Amp each), 2 Analog In (0-10V), 1 Analog Out (0-10V) with Ethernet | \$549 |

6" EZTouch.mini.PLC Status Indicators and Connections

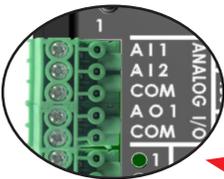
EZ to Wire Phoenix Plug-in Terminals



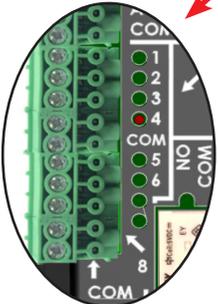
1.14 AWG, 2 18 AWG,
4 22 AWG wires per terminal



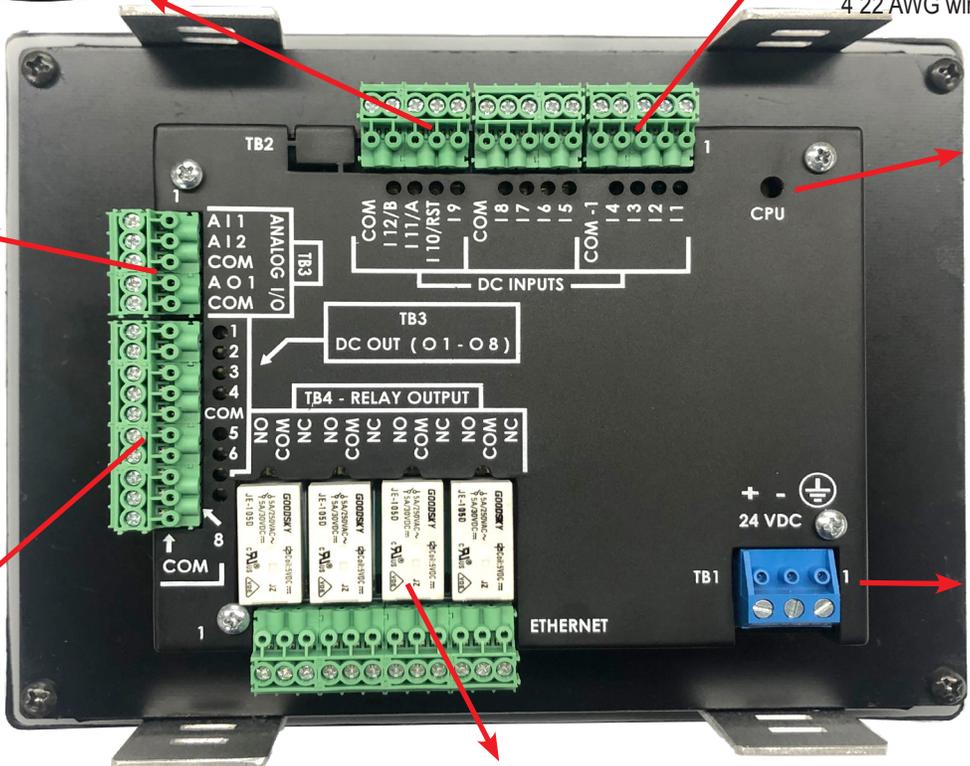
12 Digital Inputs, including a high speed quadrature counter input with LED indicators



2 Analog Inputs & 1 Analog Output

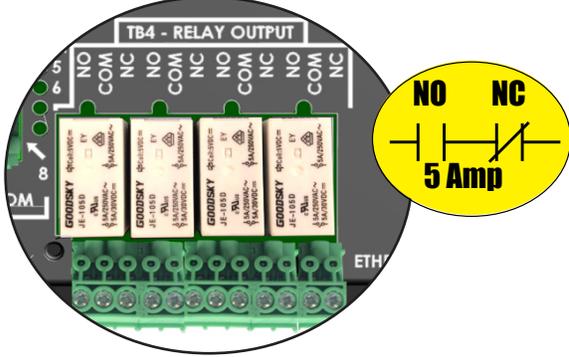


8 Digital Outputs, with LED indicators



CPU LED indicator
powers ON when communication to HMI and Status indicator

24 VDC power input



4 Relay (1 form C 5 Amp) Output
Used to drive output devices up to 5 Amps