



# EZ3TouchPLC Micro Specifications

EZ3TouchPLC Micro with DH+ option					
Part Number	EZ3-T6C-EH-Micro40-PLC EZ3-T6C-EH-Micro44-PLC EZ3-T6C-EH-Micro48-PLC	EZ3-T7C-E-Micro40-PLC EZ3-T7C-E-Micro44-PLC EZ3-T7C-E-Micro48-PLC	EZ3-T8C-E-Micro40-PLC EZ3-T8C-E-Micro44-PLC EZ3-T8C-E-Micro48-PLC EZ3-T8C-EH-Micro40-PLC EZ3-T8C-EH-Micro44-PLC EZ3-T8C-EH-Micro48-PLC	EZ3-T10C-E-Micro40-PLC EZ3-T10C-E-Micro44-PLC EZ3-T10C-E-Micro48-PLC EZ3-T10C-EH-Micro40-PLC EZ3-T10C-EH-Micro44-PLC EZ3-T10C-EH-Micro48-PLC	EZ3-T15C-E-Micro40-PLC EZ3-T15C-E-Micro44-PLC EZ3-T15C-E-Micro48-PLC EZ3-T15C-EH-Micro40-PLC EZ3-T15C-EH-Micro44-PLC EZ3-T15C-EH-Micro48-PLC
Digital Inputs	24 Inputs				
Digital Outputs	8 Short Circuit Proof 0.5 Amp 24 VDC Outputs				
Relay Outputs	8 Relay Outputs (1 Form C Relays rated at 10 Amps each with RC Snubber Protection) up to 1 million cycles				
Analog Inputs	Micro40 (No Analog In), Micro 44 (2 12-bit resolution 4-20mA Inputs), Micro48 (4 12-bit resolution 0-10V inputs)				
Analog Outputs	Micro40 (No Analog Output), Micro 44 (2 12-bit resolution 4-20mA Outputs), Micro48 (4 12-bit resolution 0-10V Outputs)				
High Speed Counter	2 Inputs can be configured as 2 x 32 bit UP counter, or 1 x 32 bit Up-DOWN counter, or 1 x 32 bit Quadrature Encoder 40 KHz				
Display Type	5.7" TFT (65K Colors)	7" TFT (65K Colors)	8" TFT (65K Colors)	10.4" TFT (65K Colors)	15.0" TFT w/Built-in Anti-glare
Brightness/Life	400 nits / 75,000 hours@55 °C				500 nits / 75,000 hours@55 °C
Screen Resolution	320 x 240	800 x 480	800 x 600		1024 x 768
Touch Screen	5-wire Analog Resistive Touch Screen				
Num of Display Screens	Up to 999 Limited by display memory				
Display Screen Saver	Yes, Backlight Off				
HMI User Memory	2MB Built-in Flash Memory (Note Due to how HMI memory is consumed in the EZTouch Hardware this is sufficient for 99% of applications)				16 GB SSD
Maximum Power Consumption	25 Watts @ 24VDC	15 Watts @ 24 VDC	25 Watts @ 24VDC		
Processors	Two 32 Bit, 40 MHz RISC Processors (One for PLC and One for HMI)				Intel Atom E640 1 GHz
Total PLC Memory	64 KB (Ladder)				
# of PLC Registers	8192 16Bit, 8192 Variables				
PLC Typical Scan Time	3ms (1K Boolean)				
Real Time Clock/Cal.	No PLC Real-time Clock, HMI has RTC				
Battery Backup	Yes (Required only for Real Time Clock as everything else is stored in Flash)				
PLC LED Indicators	Input Power, CPU Status				
I/O Supported	Fixed I/O with Status LEDs				
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	-25 to 65°C (-13 to 149°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% Non-Condensing				
USB & microSD Ports	1 USB port for programming, 1 USB port for Datalogging and 1 microSD slot for additional data storage				
Communication Ports	Built-in USB, RS232 and Ethernet Ports				
Agency Approval	UL, CUL, CE				
External Dimensions	8.048" x 6.146" x 4.325" (204.41 x 156.11 x 109.87mm)		10.894" x 8.748" x 4.363" (276.71 x 222.20 x 110.82mm)		13.00" x 16.75" x 6.25" (330.2 x 425.25 x 158.7mm)
Weight	3 lbs		5 lbs	7 lbs	12 lbs