EZ7TouchPLC Micro Specifications

EZ7TouchPLC Micro Model Specifications				
Part Number	EZ7DT-T7C-E-Micro40-PLC EZ7DT-T7C-E-Micro44-PLC EZ7DT-T7C-E-Micro48-PLC	EZ7DT-T8C-E-Micro40-PLC EZ7DT-T8C-E-Micro44-PLC EZ7DT-T8C-E-Micro48-PLC EZ7DT-T8C-EH-Micro40-PLC EZ7DT-T8C-EH-Micro44-PLC EZ7DT-T8C-EH-Micro48-PLC	EZ7DT-T10C-E-Micro40-PLC EZ7DT-T10C-E-Micro44-PLC EZ7DT-T10C-E-Micro48-PLC EZ7DT-T10C-EH-Micro40-PLC EZ7DT-T10C-EH-Micro44-PLC EZ7DT-T10C-EH-Micro48-PLC	EZ7DT-T12C-E-Micro40-PLC EZ7DT-T12C-E-Micro44-PLC EZ7DT-T12C-E-Micro48-PLC EZ7DT-T12C-EH-Micro40-PLC EZ7DT-T12C-EH-Micro44-PLC EZ7DT-T12C-EH-Micro48-PLC
Enclosure	Metal front bezel connects to back-end through HDMI cable, NEMA 4, 4X Class I Div II			
Digital Inputs	24 Electrically Isolated 24 VDC Inputs			
Digital Outputs	8 Short Circuit Proof 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	4 12-bit resolution 0-10V inputs or 2, 12-bit resolution 4-20mA Inputs			
Analog Outputs	4 12-bit resolution 0-10V inputs or 2, 12-bit resolution 4-20mA 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	7" TFT (65K Colors)	8" TFT (65K Colors)	10.4" TFT (65K Colors)	12.0" TFT w/Built-in Anti-glare
Brightness/Life	400 nits / 75,000 hours@55 °C			500 nits / 75,000 hours@55 °C
Screen Resolution	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	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)	13.584"x10.594"x 4.299" (34 5x 269.1 x 109.20mm)	13.00"x16.75"x6.25" (330.2 x 425.25 x 158.7mm)
Weight	2 lbs	3.5 lbs	4.5 lbs	7 lbs

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