



EZ7TouchPLC Jr. Specifications

EZ7TouchPLC Jr. Model Specifications	
Part Number	EZ7DT-T7C-E-PLCJ
Enclosure	Metal front bezel connects to back-end through HDMI cable, NEMA 4, 4X Class I Div II
I/O Base	4 Slot PLC Base
Display Type	5.7" TFT (65K Colors)
Brightness/Life	400 nits / 75,000 hours@55 °C (White LED)
Screen Resolution	320 x 240
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	4MB Built-in Flash Memory (Note Due to how HMI memory is consumed in the EZTouch Hardware this is sufficient for 99% of applications)
Maximum I/O Capacity	32 I/O Max (Expandable up to 2048 I/O)
Maximum Power Consumption	25 Watts @ 24VDC
Processors	Two 32 Bit, 40 MHz RISC Processors (One for PLC and One for HMI)
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 (Run, Program & Run/Program), Program PLC and Run Mode LED indicators
I/O Supported	EZIO Screw-down modules with status LEDs and Removable Terminal Block; DC / AC / Analog / Relay / Thermocouple / High Speed Counter, PWM, RTD
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)
Weight	2 lbs