EZ3TouchPLC Jr. Specifications

EZ3TouchPLC Jr. 6", 7", 8", 10" Models			
Part Number	EZ3-T6C-EEH-PLCJ	EZ3-T7C-EE-PLCJ	EZ3-T8C-EE-PLCJ	EZ3-T10C-EE-PLCJ
I/O Base	4 Slot PLC Base			
Display Type	5.7" TFT (65K Colors)	7" TFT (65K Colors)	8" TFT (65K Colors)	10.4" TFT (65K Colors)
Brightness/Life	400 nits / 75,000 hours@55 °C (White LED)			
Screen Resolution	320 x 240	800 x 480	800 x 600	
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		29 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.	Provided by its HMI			
Battery Backup	Yes			
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, 31 different mix-n-match Cube plug-in I/O modules with LED Indicator for each I/O point & removable plug-in terminal block. 4 Relay Out 2 Amp 1 Form A also available.			
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 port	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" (345x269.1x109.20mm)
Weight	3 lbs		5 lbs	7 lbs

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