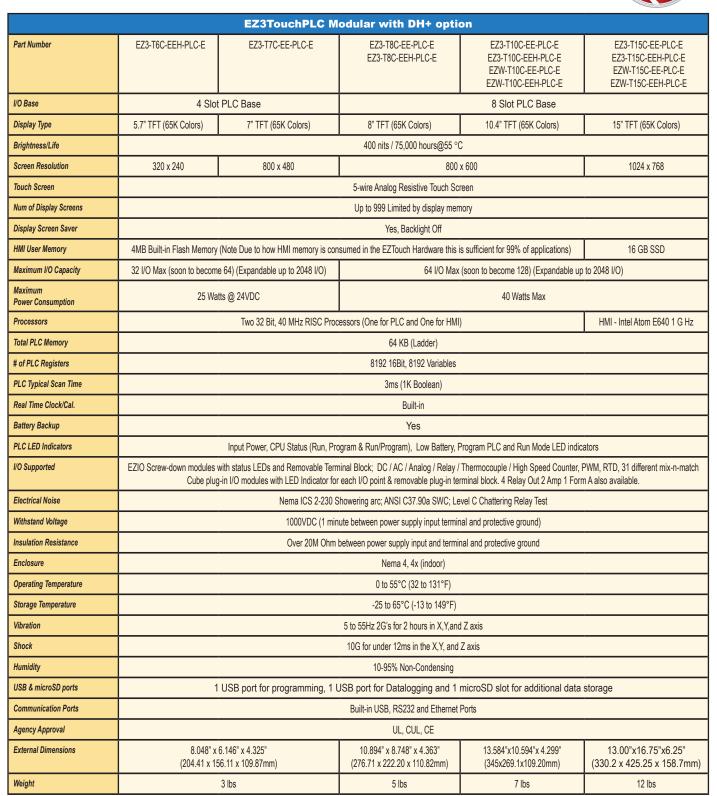# EZ3TouchPLC Modular Specifications

	EZ3TouchPLC Modular with DH+ option				
Part Number	EZ3-T6C-EEH-PLC-E	EZ3-T7C-EE-PLC-E	EZ3-T8C-EE-PLC-E EZ3-T8C-EEH-PLC-E	EZ3-T10C-EE-PLC-E EZ3-T10C-EEH-PLC-E EZW-T10C-EE-PLC-E EZW-T10C-EEH-PLC-E	EZ3-T15C-EE-PLC-E EZ3-T15C-EEH-PLC-E EZW-T15C-EE-PLC-E EZW-T15C-EEH-PLC-E
I/O Base	4 Slot PLC Base		8 Slot PLC Base		
Display Type	5.7" TFT (65K Colors)	7" TFT (65K Colors)	8" TFT (65K Colors)	10.4" TFT (65K Colors)	15" TFT (65K Colors)
Brightness/Life	400 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	4MB 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 I/O Capacity	32 I/O Max (soon to become 64) (Expandable up to 2048 I/O)		64 I/O Max (soon to become 128) (Expandable up to 2048 I/O)		
Maximum Power Consumption	25 Watts @ 24VDC		40 Watts Max		
Processors	Two 32 Bit, 40 MHz RISC Processors (One for PLC and One for HMI)				HMI - Intel Atom E640 1 G Hz
Total PLC Memory	64 KB (Ladder)				
# of PLC Registers	8192 16Bit, 8192 Variables				
PLC Typical Scan Time	3ms (1K Boolean)				
Real Time Clock/Cal.	Built-in				
Battery Backup	Yes				
PLC LED Indicators	Input Power, CPU Status (Run, Program & Run/Program), Low Battery, 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 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" (345x269.1x109.20mm)	13.00"x16.75"x6.25" (330.2 x 425.25 x 158.7mm)
Weight	3 lbs		5 lbs	7 lbs	12 lbs

EZ TouchPLC

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