EZ3TouchPLC Nano Specifications

EZ3TouchPLC Nano with DH+ option for 6", 8", 10" and 15"				
Part Number	EZ3-T6C-EH-Nano-PLC	EZ3-T7C-E-Nano-PLC	EZ3-T8C-E-Nano-PLC EZ3-T8C-EH-Nano-PLC	EZ3-T10C-E-Nano-PLC EZ3-T10C-EH-Nano-PLC	EZ3-T15C-E-Nano-PLC EZ3-T15C-EH-Nano-PLC
Digital Inputs	16 Inputs				
Relay Outputs	8 Relay Outputs (1 Form C Relays rated at 10 Amps each with RC Snubber Protection). 1 million cycles.				
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 20 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				
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	24 I/O				
Maximum Power Consumption	25 Watts @ 24VDC		30 Watts @ 24VDC	40 Watts Max	
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				
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 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/RS485, Ethernet, and Micro SD card 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	3 lbs		5 lbs	7 lbs	12 lbs

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