



# 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;<br>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"<br>(204.41 x 156.11 x 109.87mm)   |
| Weight                               | 2 lbs  |