

# IN SCADA

## IoT Controller and Data Acquisition System



### Features and Benefits

- Remote/solar powered data acquisition systems.
- Network and local screen control
- Real-time clock for data synchronization.
- 128 Mbits onboard flash memory data storage
- 8x high-precision analog inputs, current or voltage configurable
- 2x analog outputs for control, current or voltage configurable
- 4x digital inputs or outputs, user selectable at 3.3V, 5V, 12V, and 24V
- 4x 3.3 V Digital inputs or outputs
- Supports Ethernet, RS232, or RS485 communications
- Wide input power range, 9 to 36 VDC

### Digital Input

- Digital high or low
- Frequency of square wave
- Binary counter for change from low to high or high to low
- 4x inputs voltages of up to +24 VDC
- 4x inputs voltages up to 5 VDC with software configurable pull-up resistors

### Digital Output

- 4x outputs user configurable as +3.3, +5, +12 or +24 VDC high level
- 4x outputs +3.3 VDC high level

### Analog Input

- 24 bit high-precision analog inputs
- 8x 4-20 mA current
- 8x 0-5 VDC

### Analog Output

- 14-bit precision DAC
- 2x output configurable for 4-20 mA or 0-5 VDC

### CONTACT US

1063 Hickory Corner Rd.

Philippi, WV 26416

304-457-2500

E2C@extreme-endeavors.com

For more information on any of our products or services please

visit us on the Web at:

[www.extreme-endeavors.com](http://www.extreme-endeavors.com)

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<b>Specifications</b>	
Communication Protocols:	10BaseT/10BaseT Ethernet, RS485
Operating Temperature:	-40 °C to +85 °C
Power Consumption:	6 Watts
Power Supply:	9 – 36 V
Frequency Input Range	– 20 kHz
Dimensions:	8.193 x 6.864x 1.653
Enclosure Materials:	Aluminum
Input Current Ratings:	4 to 20 mA
Input Voltage Rating:	0 to 5 VDC

<b>HMI Interface Description</b>	
	Intelligent LCD-TFT display module
Resolution:	800 x 480 pixels
Pixel Pitch:	0.1925 x 0.179mm (non-square pixels)
Color Depth:	RGB 65K true to life colours
Size:	7.0" diagonal
Touch:	Built-in resistive touch screen

<b>Connectors</b>	
PT02-12-14P	Communications and Power
PT02-16-26S	Digital Input and Output
PT02-8-4P	Power
PT02-14-19S	Analog Input

<b>Matching connectors (not included):</b>
PT06-12-14S-SR, PT06-16-26P-SR, PT06-8-4S-SR, PT06-14-19P-SR

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