

IoT Controller and Data Acquisition System



Features and Benefits

- 2 high precision analog inputs, current or voltage configurable
- 1 analog output for control, current or voltage configurable
- 6 digital inputs or outputs
- Supports Ethernet and RS 422/485 communications
- Wide input power range 7 to 36 volts
- Real-time clock for data synchronization
- Onboard data storage

Digital I/O

- Digital Input can read 0-5V sources. Logic HIGH is input > 1.7V and logic LOW is input <0.7V.
- Digital Output is driven to 0V for logic LOW and driven to 3.3V for logic HIGH.

Analog Input Voltage

Analog Input Voltage can read voltages in the range of 0V to 5V.

Analog Input Current

Analog Input Current can read current loops in the range of 4 to 20 mA with an accuracy of ± 0.01 mA.

Analog Output Voltage

Analog Output Voltage can produce a voltage in the range of 0V to 15V.

Analog Output Current

Analog Output Current can produce a current in the range of 4-20 mA with accuracy of ± 0.01 mA.

Connectors

The SingleNode uses weatherproof PT02 military-style connectors for all interfaces.

PT02E-12-14P connector is used for communications and power.

PT02E-14-19S connector is used for analog and digital input and output.

Mating connectors are PT06-12-14S-SR and PT06-14-19P-SR.

CONTACT US

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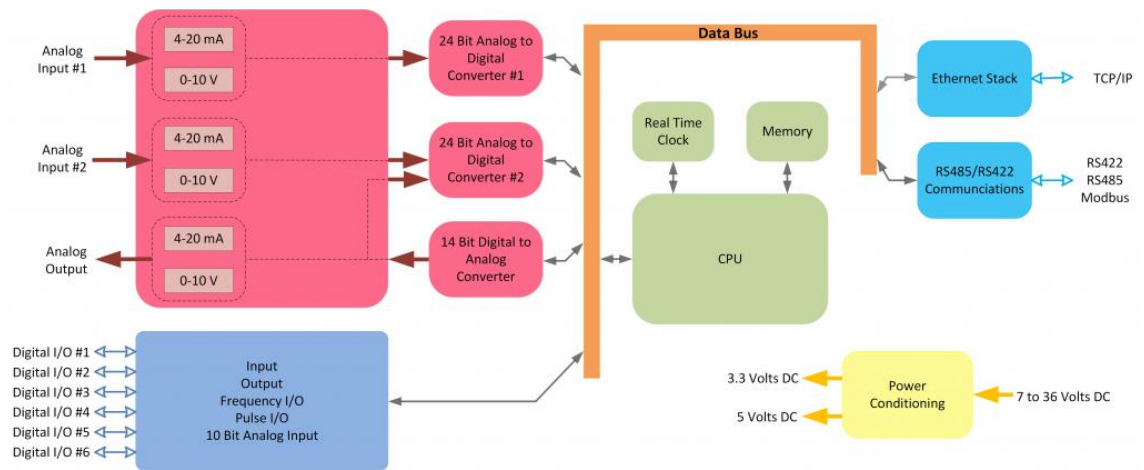
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For more information on any of our products or services please visit us on the Web at:
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Specifications	
Communication Protocols:	Ethernet, RS 422/485
Operating Temperature:	-40 °C to +85 °C
Power Consumption:	1.5W
Power Supply:	9 - 36 VDC
Frequency Range	0 - 20 KHz
Dimensions:	3.554"L x 2.284"W x 1.728"H
Enclosure Materials:	Aluminum
Input Current Ratings:	4 to 20 mA
Input Voltage Rating:	0V to 5V



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