



Limited Only By Your *Imagination*

Serial Modbus Receiver Unit

SolutionNet™ 4.0

Model IIoT-6100 Series

The IIoT-6100 series is a communications processor paired with an external receiver (IIoT-6000) or can be built with the receiver card internal to the enclosure. It provides a communication and data interface between IIoTTTI reporting systems and customer DCS systems via Modbus (ASCII or RTU) responses to customer polling commands for status and/or measurement data, or to a hosted, secure, remote server platform. All communication to the IIoT-6100 series is by wireless transmitters; communication to/from the IIoT-6100 series units to the customer's DCS is by serial RS-232 or RS-485 connections for the Modbus commands/ responses or by cellular card to a secure, hosted off site platform with SolutionNet 4.0 portal for visualization. Logic, control, and communication functions are provided by a micro controller computer. Use of a system watchdog timers and auto run features integrated into the hardware and multi-tasking operating system allow the IIoT-6100 series to automatically continue operations following system interruption due to power outages. This model is scalable to accommodate up to 15 Modbus boards allowing for large expansions of wireless sensors.



Communications processor with integrated receiver that interfaces with most DCS operating systems utilizing Modbus protocol

Specifications

Operating frequency	900 MHz (US), 868 MHz (Europe)
User interface	RS-232 or RS-485
Baud rate	9800-19200 baud
Comm Parameters	Configurable
Max Polling rate	Less than 2 seconds
Diagnostic port	Laptop or PC interface
Operating temperature	(-40°F to +185°F) (-40°C to +85°C)
Humidity	5-95% non-condensing
Operating power	9-16 VDC
Supply voltage	110 VAC
Enclosure	Fiberglass NEMA 4X, Size variable based on Modbus board count
Weight (Without battery)	Variable based on configuration
Mounting	Pipe, (1.5 in) (3.8 cm), Wallmount, Unistrut

This Datasheet Contains Protected Information

Please refer to test sheets for final parameters

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