

Limited Only By Your Imagination

Serial Modbus Receiver Unit

SolutioNet_™ 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 SolutioNet 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.

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 $(-40^{\circ}\text{F to } +185^{\circ}\text{F}) (-40^{\circ}\text{C to } +85^{\circ}\text{C})$

Humidity 5-95% non-condensing

Operating power 9-16 VDC Supply voltage 9-16 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

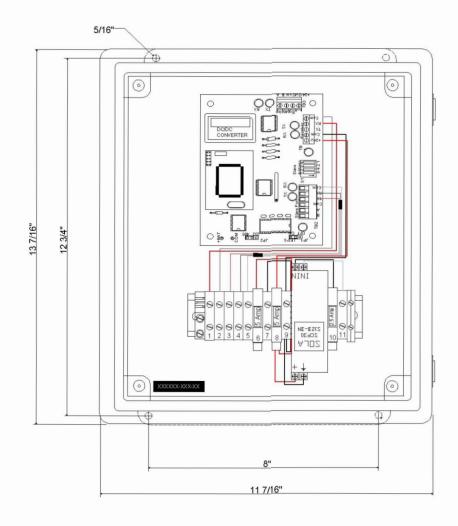


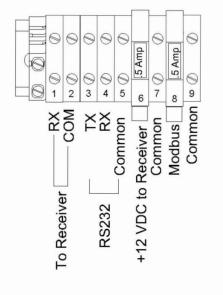
Communications
processor with
integrated
receiver that
interfaces with
most DCS
operating
systems
utilizing
Modbus
protocol

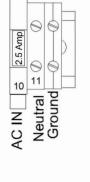
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Information

Please refer to test sheets for final parameters

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~	INITIAL RELEASE		10/06/21		DRAWII	NG NO:	Part Number: IIOT-6101 For u	For use with IIOT-6000	IIoT Technolo 24130 State
REV.	DESCRIPTION	BY	DATE	APVD	6101-	WGA	Fait Number. 1101-0101	For use with HOT-0000	

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