

## IWR-PORT SERIES

### WIRELESS TO ETHERNET OR RS-232/485 GATEWAY



The IWR-PORT Ethernet Gateway provides a link between wireless sensors and sensor networks and Industrial Ethernet or RS-232/485 networks.

This allows Sensata wireless transmitters to be incorporated into new or existing Industrial Ethernet or RS-232/485 data monitoring and control networks.

The IWR-PORT can interface with standard 10/100Base-T Ethernet networks giving access to the standard MODBUS TCP protocol, ensuring compatibility with most industrial automation systems. MODBUS RTU is available when an RS-232/485 network is used.

### Features

- 2.4GHz Wireless to Comms Gateway
- Enables easy add-on of wireless networks to existing Ethernet or RS-232/485 systems
- Allows remote sensors to be incorporated into an Ethernet or RS-232/485 network without the need for expensive cabling
- Optional analog & digital outputs can be obtained using SC-ISOSLICE modules



Multiple battery powered sensors transmit data at programmable intervals to an IWR-PORT receiver which can transfer the data onto an Ethernet or RS-232/485 network.

Data from up to 128 nodes can be stored on one IWR-PORT module and up to 16 networks can co-exist together. All parameters are stored as Modbus registers.

### Installation Detail

<b>Mounting</b>	DIN Rail TS35
<b>Orientation</b>	Any
<b>Connections</b>	Screw clamp with pressure plate
<b>Conductor Size</b>	0.5-4.0mm
<b>Insulation Stripping</b>	12mm
<b>Weight</b>	Approx 120g

## SPECIFICATIONS

Parameter	Min	Typ	Max	Comments
Supply Voltage	16	24V	30	
Supply Current (mA)	100		120	24Vdc supply
Ethernet Interface				10Base-T or 100Base-T
Connector		RJ45		
Protocols				For Ethernet version Modbus TCP/IP or RTU
Rs232 Data Rate	2400	38400	57600	Baud
Date bits		7 or 8		
Parity				Odd / Even / None
Isolation Voltage	1kV			
Operating Ambient	0°C		55°C	
Relative Humidity	0%		90%	
Surge Voltage	2.5kV for 50µS		Transient of 10kV/µS	

Notes: Local LED display can show sensor values in real engineering units and IWR-PORT set-up information

## Connection Details

1. 0V
2. 16-36 V dc / 16-32 V ac
7. Ground
8. RS-232 Transmit or RS-485 B -ve
9. RS-232 Receive or RS-485 B +ve

## ORDERING OPTIONS

Part Number	Description
IWR-PORT-E	Ethernet
IWR-PORT-232	RS-232
IWR-PORT-485	RS-485

## DIMENSIONS

All dimensions are in millimeters

