

| 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



**Ethernet TCP/IP or
RS-232/485 Communications**

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

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

| 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 |

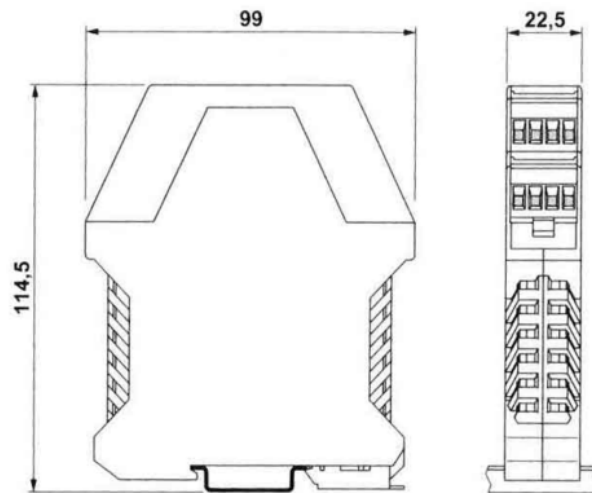
Configuration Software IWR-Port (free download*)

*Download user configuration software [here](#)



DIMENSIONS

All dimensions are in millimeters



Made in the UK

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