Sensata Technologies

IWR-USB INDUSTRIAL WIRELESS GATEWAY

The IWR-USB Gateway provides a link between wireless sensors and sensor networks and any PC with a USB connection. The IWR-USB saves the time-stamped data collected in a standard .csv file for easy handling by packages such as Microsoft® Excel®.

DATA SECURITY

Confidently maintains security in all directions. "Southbound" AES-128 Encryption (to the sensor). "Northbound" TLS1.2 (to the control architecture).

AGGREGATES DATA FROM WIRELESS TRANSMITTERS AND DELIVERS TO A PC

Works seamlessly in any OT architecture and safely aggregates wireless sensor data and makes it available to local control systems or other software programs.

CONNECTS WITH UP TO 128 WIRELESS TRANSMITTERS

Scales from one-to-many sensors using network designations without additional solution cost.

IWR-USB
Wireless Receiver

Sensata Technologies

USB POWERED WIRELESS RECEIVER

Eliminates the need for external power sources by utilizing +5V dc and 40 mA from the PC.

FREE OF CHARGE MONITORING SOFTWARE

Get data to your PC fast via .csv file. Select assets to monitor and view all wireless parameters. Log data on regular time intervals to gain valuable insights.

OPTIONAL IWR-USB WITH EXTERNAL ANTENNA

Ensure higher link quality between the transmitters and the IWR-USB receiver. Reduces the impact of obstructions in the factory or other environmental settings.

79MM X 52MM HOUSING SIZE

Easily fits in the palm of your hand and in your work environment. Can be rigidly mounted to a wall or machine.

AGGREGATES REAL-TIME SENSOR DATA FROM DISPARATE SOURCES AND COMMUNICATES DIRECTLY TO A PC.

The IWR-USB is an important part of a wireless system that aids in the 24/7 monitoring of factory assets. It provides R&D or Process Engineers the ability to quickly setup and derive important information about their assets.

SPECIFICATIONS

Parameter	Min	Typ	Max	Comments
Supply Voltage		5V		Obtains power from USB port
Supply Current (mA)		40		
Operating Ambient	0ºC		55°C	
Relative Humidity	0%		90%	
Surge Voltage	2.5kV for 50µS		Transient of 10kV/µS	

Installation Detail

Mounting	Wall mounting
Orientation	Any
Connections	Standard size USB cable
Power Supply	From USB port
Weight	Approx 120g

ORDERING OPTIONS

Part Number	Description
IWR-USB	With internal antenna
IWR-USB-ANT	With external female SMA connector & 5dBi antenna

APPLICATIONS

- Smart Factory
- Manufacturing
- Aerospace
- Automotive
- Electronics
- Food & Beverage

- Machine Tool
- Packaging
- Pharmaceutical
- Semiconductor
- Steel

CONTACT US

310 561 8092 / 1 866 258 5057
Cynergy3 Components LLC
11642 Knott Ave, E-5
Garden Grove 92841, CA
United States

+44 (0)1202 897969
c3w_sales@sensata.com
Cynergy3 Components Ltd.
7 Cobham Road,
Ferndown Industrial Estate,
Wimborne, Dorset,
BH21 7PE, United Kingdom

c³ cynergy3

www.sensata.com

04/2021