



NEW PRODUCT HIGHLIGHT

IWR-USB INDUSTRIAL WIRELESS GATEWAY

The IWR-USB Gateway provides an easy way to link between wireless sensors and sensor networks and any PC with a USB connection. It aggregates real-time sensor data from disparate sources and communicates directly to a PC, making it an important part of a wireless system that aids in the 24/7 monitoring of factory assets. The IWR-USB saves the time-stamped data collected in a standard .csv file for easy handling by packages such as Microsoft® Excel®. It provides R&D or Process Engineers the ability to quickly setup and derive important information about their assets.

PROTECTS DATA WITH A SECURE NETWORK

Confidently maintains data security with end-to-end encryption.

ADAPTIVE TO EXISTING OT SYSTEMS IN INDUSTRIAL APPLICATIONS

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

POWERED THROUGH LOW VOLTAGE FOR LOWER INSTALLATION COSTS

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

SCALABLE ENOUGH TO DEPLOY FROM ONE MACHINE TO AN ENTIRE INDUSTRIAL SPACE

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

OPTIONAL VERSION AVAILABLE WHERE WIRELESS SIGNAL STRENGTHS CAN BE CHALLENGED

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

PRE-CONFIGURED FOR FAST SETUP

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.

SMALL FORM FACTOR FOR INSTALLATION IN CRAMPED SETTINGS

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



APPLICATIONS

- Smart Factory
- Manufacturing
- Aerospace
- Automotive
- Electronics
- Food & Beverage
- Machine Tool
- Packaging
- Pharmaceutical
- Semiconductor
- Steel

SPECIFICATIONS

Parameter	Min	Typ	Max	Comments
Supply Voltage		5V		Obtains power from USB port
Supply Current (mA)		40		
Operating Ambient	0°C		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

CONTACT US

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