

# WIM100-W

## WIFI Interface Module

A module designed to provide a WIFI (IEEE 802.11b/g/n) interface between the proprietary products and other WIFI equipment



## Overview

The WIM100-W module provides a wireless transparent link using the WIFI serial port profile via a standard uart interface. The unit is supplied with an antenna mounted on the proprietary product enclosures. The module supports a data communication range of 300m with an external antenna.

The WIFI standard allows for pairing with other devices that support the same or earlier WIFI protocol standard.

The module is housed in the standard proprietary product enclosures and can be fitted to all proprietary products that have been purchased with the required WIFI support.

## Features

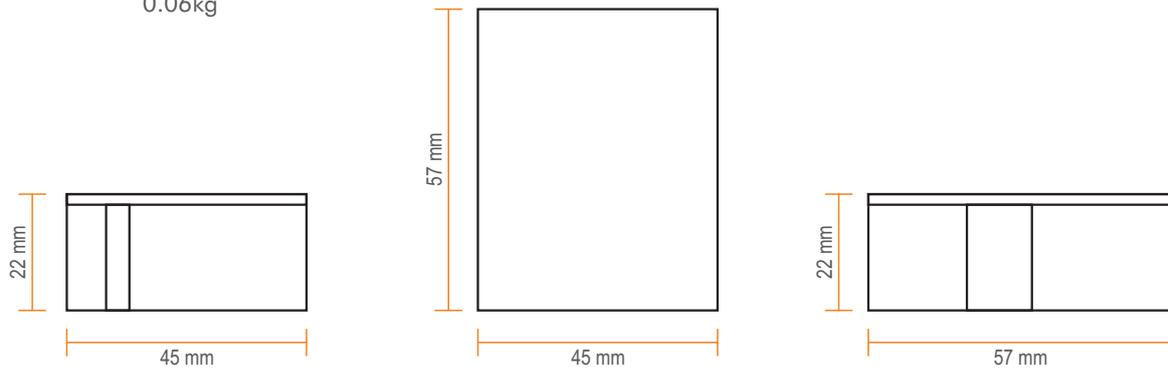
- Supports IEEE802.11b/g/n Wireless Standards
- Supports AT instruction Set for configuration
- FCC/CE certified
- Once configured, the module is transparent to the user
- Provides wireless connectivity for remote monitoring
- Supports full data extraction or dynamic monitoring using the INSTANCE graphics applications
- DIN Rail mounting as installed inside proprietary product enclosures
- External antenna has a 300m communication range
- Supports 9600-115kbits/sec data rates when used with the proprietary product range



## Specifications

### Dimension Diagram

Dimensions: 57 X 45 X 22 mm  
Weight: 0.06kg



### Power

Operating voltage: +3.3V DC ( $\pm 5\%$ )  
Operating current: 170mA~300mA

### Interfaces

Frequency range: 2.412GHz – 2.484GHz  
Transmit Power: 801.11b: +20 dBm (Max)  
801.11g: +18 dBm (Max)  
801.11n: +15 dBm (Max)  
Receiver Sensitivity: 801.11b: -89 dBm (Max)  
801.11g: -81 dBm (Max)  
801.11n: -71 dBm (Max)  
Antenna Option: External: I-PEX Connector  
Internal: On-board chip Connector  
Data Interface: UART: 1200bps to 230400bps  
Distance: External Antenna: 300m  
Internal Antenna: 200m  
Security Mechanisms: WEP/WAP-PSK/WAP2-PSK/WAPI  
Encryption: WEP64/WEP128/TKIP/AES

### Temperature

Operating: -10 to +70°C  
Storage: -40 to +85°C

### Agency Approvals and Standards

Lead Free Status: RoHS Compliant  
Certification: FCC/CE  
Wireless Standard: 802.11b/g/n



**Instance**  
Managing Data Xchange