

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

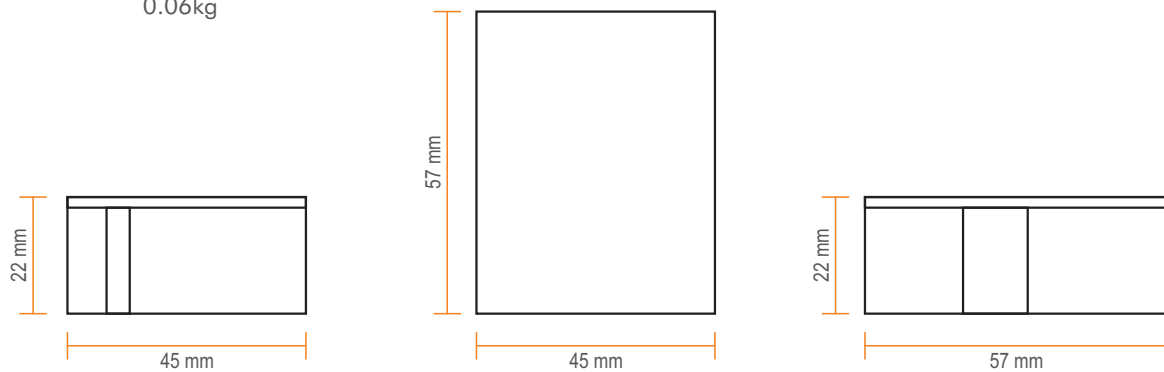
- Supports IEEE802.11b/g/n Wireless Standards
- Supports AT instruction Set for configuration
- FCC/CE certified
- Once configured, the module is transparent to the user
- Provides wireless connectivity for remote monitoring
- Supports full data extraction or dynamic monitoring using the INSTANCE graphics 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