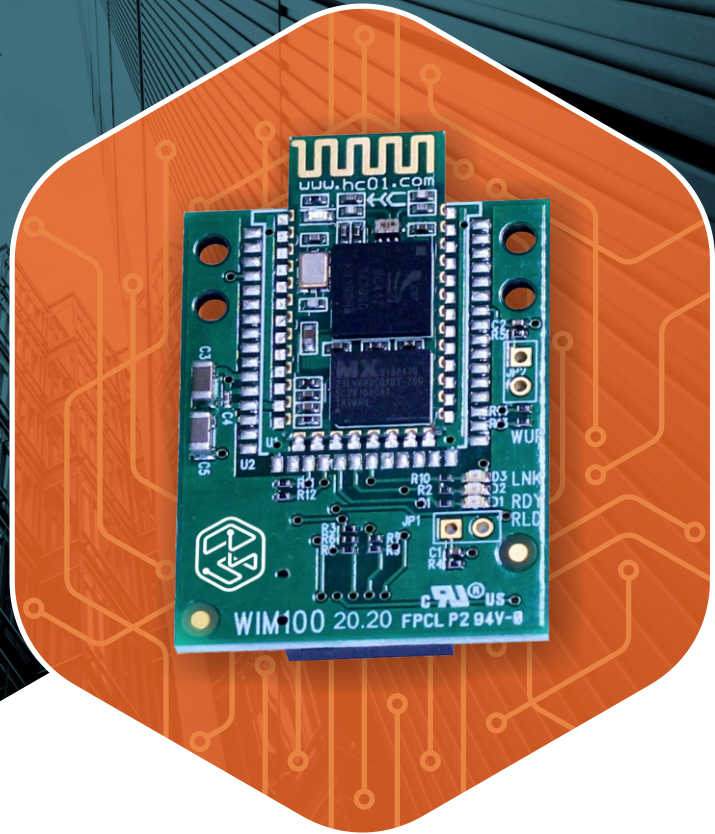


## INS030

### Wireless Bluetooth Interface Module

A module designed to provide a Bluetooth (Version 4.0) interface between the proprietary products and other Bluetooth equipment



The INS030 module provides a wireless transparent link using the Bluetooth serial port profile via a standard uart interface. The unit has an integrated antenna with support for a range of 10m.

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

## FEATURES

- Once configured, the module is transparent to the user
- Provides wireless connectivity for remote monitoring with Bluetooth
- Supports full data extraction or dynamic monitoring using the INS Technologies graphics applications
- DIN Rail mounting as installed inside proprietary product enclosures
- Integrated antenna for 10m communication range
- Supports 9600-115kbits/sec data rates when used with the proprietary product range

## SPECIFICATIONS

### DIMENSIONS

|            |                 |
|------------|-----------------|
| Dimensions | 57 X 45 X 14 mm |
| Weight     | 0.05 kg         |

### POWER

|                   |   |
|-------------------|---|
| Operating voltage | +3.3V DC  |
| Operating current | Communicating: 30 to 40 mA / Not communicating: 2 to 8 mA |

### INTERFACES

|                    |  |
|--------------------|--|
| Bluetooth protocol | Bluetooth Specification v2.0+EDR                                 |
| Frequency          | 2.4 GHz ISM band   |
| Modulation         | GFSK (Gaussian Frequency Shift Keying)                           |
| Emissions power    | = 4dBm, Class 2  |
| Sensitivity        | = -84dBm at 0.1% BER   |
| Speed              | Asynchronous: 2.1Mbps(Max) / 160kbps, Synchronous: 1Mbps / 1Mbps |
| Security           | Authentication and encryption                                    |
| Range              | 30ft / 10m   |

### TEMPERATURE

|           |              |
|-----------|--------------|
| Operating | -20 to +75°C |
|-----------|--------------|

### AGENCY APPROVALS AND STANDARDS

|                  |                |
|------------------|----------------|
| Lead Free Status | RoHS Compliant |
|------------------|----------------|