

# Wireless Survey Data Link Radio Transceiver

- Compact rugged and lightweight
- Leica® and Topcon® compatible options
- Versatile as a base or repeater radio
- USB connection to field PCs (communications and power)
- USB Type A port for security dongle and data transfer

The Wireless Data Link radio transceiver provides reliable wireless connectivity for either point-to-point or multipoint applications.

Frequency Hopping Spread Spectrum technology ensures maximum resistance to noise and robustness in the presence of interfering signals, while operation in the 2.4GHz ISM band allows license-free use and worldwide compliance.



## Application Areas

- Civil Engineering and Construction
- Surveying
- Remote monitoring
- Mining
- Industrial communication stations

## Rugged PC Compatibility

Designed for use with any mobile PC device such as:

- Handheld Algiz 7
- Panasonic CFU1 tablet PC
- Trimble Yuma

## General Specifications

### Antenna

Frequency bandwidth	2.4 - 2.5 GHz
Antenna type	Sleeve Dipole
Antenna form factor	0° to 90° Locking Swivel
Gain	2dBi
V.S.W.R	<1.9:1
Nominal impedance	50 Ohms
Radiation pattern	Omni-Directional
Polarization	Vertical
Length	154.7 mm
Connector	TNC Male
Temperature range	-30°C to +60°C

### WSDL module

Radio frequency	2400 to 2483 MHz
Radio certification	FCC Part 15.247 and ETS 300.328 rules, license free
Operating range	Indoor: 150 m to 300 m Outdoor: 1000 m w/ dipole antenna
Network topology	Star Network
Network protocol	Dynamically assigned TDMA
Error detection & correction	24 bit CRC and ARQ
Serial data	RS232
IO data rate	Upto 230.4 Kbps software selectable
Channel data rate	460 Kbps
Number of frequency ch	75
RF bandwidth	750KHz
Current consumption	100mA
Size	141mm x 65mm x 25mm
Weight	Master - 200g / Slave 220g
Operating temperature	-40° to +70°
Humidity	20% - 90% (Non condensing)
Enclosure material	Aluminium extruded enclosure
Data connector	Master - 5 Pin weather-proof con.