

## TEL-LINK RADIO MODEM



Indoor



Outdoor



Outdoor

The Tel-Link Radio Modems are powered by FCC and ETSI approved MaxStream radio modules with frequency hopping spread spectrum capability.

Radio Modems are available for either the 2.4GHz or 900MHz license-free ISM bands (Industrial, Scientific and Medical bands). There is a full range of RS232, RS485 and RS422 interface options available allowing incredible flexibility.

### Features:

- MicroScan can now collect data from areas previously uneconomic.
- True peer-to-peer networking (no Master radio needed).
- Networking features allow up to 7 independent pairs (networks) to operate in close proximity.
- Supports all MicroScan Interface baud rates.
- 900MHz license-free ISM bands (Industrial, Scientific and Medical).
- 19.2 kbps over-the-air data rates.
- Up to 65,000 network addresses available.
- Signal strength reporting for link quality monitoring and debugging.
- Outdoor units are supplied with a stainless steel mounting bracket and U bolts.
- 900MHz modules certified for use in USA, Canada, New Zealand and Australia.
- 2.4GHz modules certified for use in USA, Canada, Europe, New Zealand and Australia.

Model	Description
<b>Tel-Link Radio Modem 2.4GHz</b> TL-232O-24 TL-232I-24 TL-485O-24 TL485I-24	RS232 Outdoor RS232 Indoor RS 485/422 Outdoor RS 485/422 Indoor
<b>Tel-Link Radio Modem 900MHz</b> TL-232O-9 TL-232I-9 TL-485O-9 TL485I-9	RS232 Outdoor RS232 Indoor RS 485/422 Outdoor RS 485/422 Indoor
<b>Serial Options:</b>	
<b>Tel-Link Radio Modem Aerials 2.4GHz</b>	Indoor 3dBi Half Wave Whip Indoor 12dBi Directional Panel Outdoor 5dBi Co-Linear Whip Outdoor 12dBi Directional Panel Outdoor 19dBi Parabolic Grid
<b>Tel-Link Radio Modem Aerials 900MHz</b>	Indoor 3dBi Half Wave Whip Outdoor 5dBi Co-Linear Whip Outdoor 11dBi Yagi

\* Note: Ideal Conditions = Hill top to Hill top.

Normal Conditions = on 3 meter pole with line of sight and no surrounding trees and buildings.

### Performance:

Indoor Urban: 900MHz ISM Band - Up to 450m    2.4GHz ISM Band - Up to 180m

#### Outdoor Line of Sight

Ideal \* Conditions

with Dipole

900MHz ISM Band - Up to 10km	High Gain Antenna
2.4GHz ISM Band - Up to 5km	900MHz ISM Band - Up to 30km
	2.4GHz ISM Band - Up to 15km

Normal \* Conditions

with Dipole

900MHz ISM Band - Up to 3km	High Gain Antenna
2.4GHz ISM Band - Up to 1.5km	900MHz ISM Band - Up to 6km
	2.4GHz ISM Band - Up to 3km