

SOL8TELTRX

SOL08 – Telemetry Transmitter/Receiver

Overview:

The DTC SOL08 Telemetry Transmitter/Receiver is a small, single box solution providing Bi-Directional ISM band telemetry communications.

The SOL08 Telemetry TRX can operate in two modes:-

- Low bandwidth 'SOL08-SDR compatible' 4800 baud
- High bandwidth mode capable of up to 115200 baud



Features and Benefits:

- Small footprint
- Bi-directional data link
- 20dBm output power
- Available in standard ISM bands
- Single power/data connector
- Low power consumption
- RS232 control port
- Switchable RS232, RS422 and RS485 data port
- Compatible with SOL08-SDR telemetry *
- Higher data rate mode available (range is reduced)

* Does not directly control SOL8-SDR, requires additional hardware/software

Product Information:

Product Includes:

CA3142	Power and RS232 data breakout cable
AP009029	Tri-Band telemetry antenna 144/430/900MHz

Accessory Options (sold separately):

CA3160	Power and RS485/422 data breakout cable
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Technical Specification:

Inputs

Combined Power and Control	15 way HD D-SUB
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Outputs

RF	SMA
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RF Bandwidth

Long Range	4.8kHz
Short Range	100kHz

RF Power

Maximum	20dBm
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RF Sensitivity

Long Range	-114dB
Short Range	-95dB

Encryption

DES	
AES*	

Control

Remote Control	RS232
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Data Interface

Data Format	RS232, RS422 or RS485 switchable
Data Baud	1k2 to 115k2
Data Throughput	Up to 4k8 baud in Long Range Up to 115k2 baud in Short Range
Latency	24ms end to end (excluding RF signal transit time)

Physical

Dimensions	L 85mm, W 52mm, H 18mm
Weight	100g

Power

DC Input	9-18V 3W peak
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Environmental

Operating Temperature	-20 to +50 °C
Storage Temperature	-24 to +60 °C
Sealing	IP52

Frequency

433	433MHz ISM Band (433.05-434.79MHz)
868	868MHz ISM Band #
915	915MHz ISM Band (902-928MHz)

Software License Code

Silver (included)	N/A
Gold	N/A
Platinum	N/A

* Licensed Feature

Future Development

Export of encrypted products is subject to United Kingdom regulatory export controls.

For further information contact your Sales Account Manager, one of our Regional Sales Offices, or email solent.enquiries@domotactical.com

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