



TELION 1300 SOFTWARE DEFINED RADIO

PRODUCT INFORMATION

Fully Digital
Reconfigurable
Spread Spectrum



TELION SDR

Telion board level transceiver dimensions are 3.18" x 2.89" x 0.47" weight 3.5 oz also available in PC 104 module and MIL type ruggedized enclosure

- **Frequency band of operation 1350-1390 MHz**
- **RF Channel Throughput: 1.2 Mbps (ARDS Waveform)**
- **Network Topologies: Push-to-Talk, TDMA (ARDS compliant), Masterless TDMA**
- **RF Network Security: Hop rate as fast as 100,000 times per second; fast frequency option, Hop table up to 128 frequency channels long. Each frequency channel is user selectable**
- **Output power programmable up to 1 Watt, 1dB steps**
- **Modulation Types: SOQPSK (ARDS Compliant), MSK, GMSK, FSK**
- **Operating temperature range -40...+80 degrees C**
- **RF Connector for OEM module & PC104, MCX, Enclosure, TNC**
- **Error Detection: CRC16, CRC24 (ARDS-compliant, MIL-STD 188-184), CRC32**
- **Encryption: AES, DES, and 3DES algorithms**



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