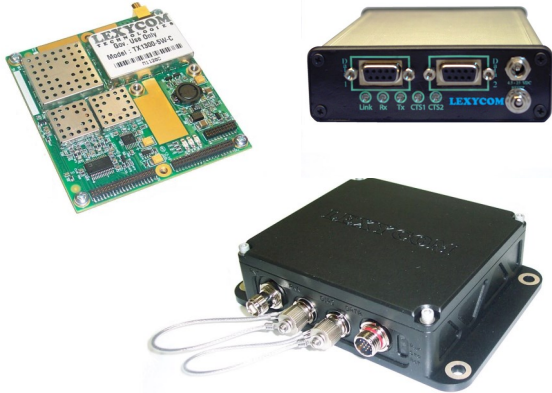




# TELION 1350-1390 MHz Software Defined Radio



OEM Footprint: 3.18" x 2.89" x 0.47"

Rugged MIL-Type Enclosure: 4.5" x 6.2" x 1.6"

Extruded Aluminum Enclosure 4.72" x 4.06" x 1.2"

## KEY FEATURES

- ⇒ On-board 5 Watt for extended range; combined or separate RX and TX antenna port;
- ⇒ Dual-PLL design greatly reduces RF overhead, allows for fast frequency switching;
- ⇒ Network protocols including on-the-fly waveform alternation per application commands in six dimensions: slot allocation/size, modulation type, RF data rate (100+ steps), output power level, error-correction type/on-off, packet-by-packet cryptography

## SPECIFICATIONS

- ◆ Frequency band of operation 1350-1390 MHz , 25kHz steps
- ◆ RF Channel Throughput: 9.6kbps .. 1.3 Mbps
- ◆ Output power up to 5Watt; 2 x Serial + Ethernet,
- ◆ Network Topologies: Point-to-Point, Point-to-Multipoint, Push-to-Talk, TDMA, Masterless/Conventional/Adaptive TDMA, Ad-Hoc, Wireless 1PPS distribution
- ◆ Optional FIPS 140-2 Level 2 Certified
- ◆ 40VDC transient suppression, external high-power PA support
- Error Detection: CRC16, CRC24, CRC32
- ◆ Board-level or Enclosure
- ◆ Operating temperature range -40° ...+80°C, up to supersonic shock/vibration

The Telion Series is an ITAR Regulated, Export controlled product line.



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