# Small solutions with big impact

High-quality radio modules for wireless data communications





Accurate and up-to-date data transfer in precise positioning systems is vital. SATEL's radio modems and modules offer a first-class solution e.g. for GNSS RTK, remote measurement and control applications. They combine quality, continuity, flexibility and low life cycle costs. Examples of GNSS systems that use SATEL's radio modems and modules include land surveying, precision farming, machine control, harbor logistics and port cranes.

### OEM

SATEL have produced a range of OEM radio modules for system manufacturers to integrate into customer solutions. They are secure, customizable and flexible in mounting options. SATEL's solutions are widely compatible and also support other manufacturers' radio protocols.



#### www.satel.com

SATEL - the world's leading expert and innovator in wireless networking technology.

Our solutions are used in wide range of industrial applications. We are known for our high quality, expertise, service and support.

You can contact us directly or get in touch with your local distributor.



## Fast and easy to integrate

**SATELLINE-M3-TR9** is a frequency hopping spread spectrum transceiver module that is, thanks to it's small size, easy to integrate into a host device. Approved and ready to use in Canada and the USA.

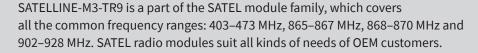
- Low power consumption
- Wide operating voltage range
- Functional temperature from –40 °C up to +70 C
- Can be used in different weather conditions
- Exceptional vibration tolerance

#### SATELLINE-M3-TR9

- FREQUENCY RANGE 902...928 MHz
- SPREADING METHOD Frequency hopping
- HOPPING BANDS 7, user selectable
- HOPPING PATTERNS 15 per band, 105 total, user selectable
- HOPPING CHANNELS 50–112, user selectable

- SENSITIVITY / CARRIER POWER -109 dBm / 1 W
- INTERFACE CMOS-UART
- DATA SPEED Radio / Serial 115200 bps
- VIBRATION TOLERANCE 25 g, up to 2 kHz sinusoidal

- **OPERATING VOLTAGE** +3.5 ... +5.5 Vdc
- POWER CONSUMPTION
   0.3 W (RX) /
   3.2 W (TX 1 W)
- SIZE/WEIGHT 57 x 36 x 6.7 mm / 20 g
- CONNECTORS 1.27 mm pitch socket / U.FL



Values are subject to change without a notice.

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