

# Sierra Wireless Sagemcom

## TiGR 350R Cellular Handheld for Railway Networks

### Operational Purpose Handheld (OPH) for GSM-R Railway Networks

The Sierra Wireless Sagemcom TiGR 350R is an operational purpose handheld (OPH) designed for the needs of railway maintenance and operations personnel. The TiGR 350R offers voice and data communication over private GSM-R railway networks with a user interface that provides operations-specific functions for quick, efficient communication.

#### DESIGNED SPECIFICALLY FOR RAILWAY PERSONNEL

The TiGR 350R handheld allows railway operators to equip personnel with a single device that meets essential railway functions such as Voice Group Call over GSMR as well as user-friendly mobile phone features.

An enhanced loudspeaker makes this handheld suitable for use in noisy work environments, while the rugged design ensures years of reliable operations in severe temperatures, shocks and vibrations, dust, and high humidity.

The handhelds come with features specific to railway operations such as: short operational messages, quick volume management, push-to-talk (PTT) in point-to-point mode, quick group call dialing and Roger beep.

Dedicated buttons allow quick access to emergency call, PTT and customizable functions. The TiGR 350R also supports latest generation railway communication features such as OTDI, late entry, and frequency hopping in group call.

#### FULL RANGE OF ACCESSORIES

Accessories are available for the Sagemcom TiGR 350R including Bluetooth pedestrian kit, car kit, multi charger and remote speaker microphone.



#### KEY BENEFITS:

- Designed specifically for efficient railway operational communications
- Highly reliable, long-lasting performance
- Functions conveniently as a handheld or integrated with a train kit



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### Technical Specifications

#### HANDSET USER FEATURES

- High resolution colour screen for use in sunlight (65,536 colors screen, 176 x 220 pixels)
- MMS, SMS, Predictive text T9
- Currency converter, calculator, alarm, timer
- WAP 2.0, M-services
- JAVA support
- Built-in data and fax modem
- Accelerometer option
- GPS option
- Remote Speaker Microphone with PTT, Volume adjustment, REC
- Media formats supported: BMP, JPEG, PNG, GIF animated, Midi, iMelody Wave, AMR
- Hi-Fi and polyphonic ringtones, downloadable screen backgrounds and ringtones

#### GSM-R FEATURES

- ASCI (VGCS, VBS)
- REC
- eMLPP
- EIRENE
- Functional addressing
- Call confirmation

#### AIR INTERFACE

- GPRS Class 10

#### DATA SPEED

- Peak download rate: up to 85,6kbps

- Peak upload rate: up to 42,8 kbps

#### FREQUENCY BANDS

- GSM: 900 and 1800 MHz
- GSM-R: 876 - 915 MHz for uplink  
921 - 960 MHz for downlink

#### APPROVALS

- Regulatory: CE, RoHS
- Carrier & Railway: On demand
- IP Class: IP65

#### BATTERY

- Li-ion 2600mA
- Talk time: 7h50
- Standby time: 450h

#### PERFORMANCE

- Power: 2W

#### TEMPERATURE RANGE

- -20 to +55°C

#### INTERFACES

- USB: 1
- Bluetooth
- SIM + or dual SIM option

#### LOCATION SOLUTION

- GPS option

#### FORM FACTOR

- Bar ruggedized, color screen  
176 x 220 pixels
- Weight: 230g with battery
- Size: 142 x 60 x 30 mm



#### APPLICATIONS

##### Private network communications for railway workforce:

- Voice services with priority control
- Emergency call services
- Voice group calls and broadcast system
- Ground to train communications
- Track-side communications
- General personnel communications

Sierra Wireless is the global leader in wireless, machine-to-machine (M2M) transportation solutions. Partner with a company that has a proven track record and commitment to the railway industry.