

FW-981

FULL DISPLAY MOBILE RADIO

Reliable coverage

Compact Radio with Maximum Functionality

Long Range LTE POC Radio • Group & Single Call • Compact Design / Easy Install • GPS (Optional)

KEY BENEFITS

Nationwide / Wide-Area Coverage

Operates over LTE networks to overcome the short-range limits of conventional two-way radios. Idea for teams spread across cities, regions or multiple sites.

Instant, Flexible Communication

Dedicated PTT (Push-to-talk) button with support for:

- Group Calls
- One-to-one (Single Calls)
- Emergency Calls

Compact Design for Easy Install

The small footprint and simple 3 wire hook up makes the FW-981 the simplest radio to install in virtually any vehicle.

Configurable Keys & Optional GPS

Programmable keys can be customized for quick access to key functions. Options GPS positioning (depending on configuration) supports location-based dispatching and safety workflows.

Built for Professional Use

Real-Time Operating System (RTOS) ensures fast response and stable performance in demanding communication environments.

TYPICAL APPLICATIONS

- Field operations and maintenance teams
- Security and patrol services
- Logistics and fleet coordination
- Event and venue management
- Construction, hospitality, retail and more

The FW-981 fits wherever fast, coordinated voice communication is critical to safety, productivity, and customer service.



Field Operations • Security & Patrol • Logistics • Fleets • Event Management



SPECIFICATIONS

KEY FEATURES

Network support	4G network radio (suitable for all kinds of networks, depending on operator support)
Call types	Group call, single call, friendly call, emergency call
PTT / side keys	Dedicated PTT button, side key assignment (programmable side keys)
Operating system	RTOS (Real-Time Operating System)
GPS	GPS positioning (optional, depending on configuration)
Design	Slim, lightweight form factor mobile 4G POC (push-to-talk over cellular) radio

GENERAL

Dimensions (H × W × D)	146 mm × 52 mm × 55 mm
Weight (including battery)	≈ 193 g
Working temperature	-30 °C ~ +75 °C
Operating voltage	DC 12V or 5V
Working current (peak)	≈ 0.6 A
Average current	≈ 540 mA @ UMTS2100; ≈ 239 mA @ GSM900
Stand-by current	≈ 5 mA @ UMTS; ≈ 5 mA @ GSM
Charger mode	USB Type-C or 12v Bare Wire
Maximum power consumption	≈ 2.2 μW

FREQUENCY & RF

LTE frequency bands	FDD: B2 / B4 / B5 / B12 / B13 / B14 / B66 / B71
TX power	LTE: +22 dBm (3GPP TS 36.101 R9 Class 3)
RX sensitivity	LTE: +22 dBm (3GPP TS 36.101 R9 Class 3)

All information is based on the provided product description and may be subject to change by the manufacturer without prior notice. Actual network compatibility and features such as GPS and call services depend on the selected configuration and local mobile operators.

WHY CHOOSE FW-981?

- Replaced or complements traditional two-way radios with far greater coverage
- Reduces the need for private repeaters or ISED licensing
- Improved coordination and response times for dispersed teams
- Compact design provides easy install in any vehicle

ROGERS

TELUS

Bell

AT&T

BellMTS

WIND

Movistar

VIDÉOTRON

tbaytel

SaskTel

eastlink

Others

FREEWAYPTT
Communications: Made Easy®

LET'S TALK



TELEPHONE
1 800 737 0674



EMAIL ADDRESS
hello@freewayptt.com