

# FW-210 4G Network Radio

## ULTRA-THIN LONG-RANGE POC WALKIE TALKIE WITH PTT

LONG-RANGE 4G • GROUP & SINGLE CALL • ULTRA-THIN DESIGN • GPS (OPTIONAL)

The FW-210 is a modern push-to-talk over cellular (POC) radio that combines the simplicity of a traditional walkie talkie with the coverage and flexibility of 4G networks. Designed for professional users who need reliable, instant voice communication across wide areas, it delivers clear audio, multiple call modes, and an ultra-thin form factor that's easy to carry all day.

### KEY BENEFITS

#### Nationwide / Wide-Area Coverage

Operates over 4G networks to overcome the short-range limits of conventional two-way radios. Ideal 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
- Friendly calls
- Emergency calls

#### Ultra-Thin, Professional Design

Slim and lightweight housing makes the FW-210 comfortable on the belt, in a pocket, or in the hand during extended shifts.

#### Configurable Side Keys & Optional GPS

Programmable side keys can be customized for quick access to key functions. Optional 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-210 fits wherever fast, coordinated voice communication is critical to safety, productivity, and customer service.



## TECHNICAL HIGHLIGHTS

### KEY FEATURES

Network support	4G network radio (suitable for a wide range of mobile operators, depending on local support)
Call types	Group call, single call, friendly call, emergency call
PTT / side keys	Dedicated PTT button, programmable side keys
Operating system	RTOS (Real-Time Operating System)
GPS	GPS positioning (optional, depending on configuration)
Design	Ultra-thin, handheld POC (Push-to-Talk over Cellular) radio

### GENERAL SPECIFICATIONS

Dimensions (H × W × D)	119 × 57 × 26 mm
Weight (incl. battery, without antenna)	≈ 134 g
Operating temperature	-30 °C to +75 °C
Operating voltage	DC 3.3 – 4.2 V (recommended 3.8 V)
Working current (peak)	≈ 0.6 A
Average current	≈ 540 mA @ UMTS2100; ≈ 239 mA @ GSM900
Standby current	≈ 5 mA @ UMTS; ≈ 5 mA @ GSM
Battery capacity	1500 mAh, rechargeable
Charging interface	USB Type-C
SIM / baseband	(U)SIM / SIMU; dual SIM card, standard SIM slots supporting 3 V and 1.8 V SIM
UART connector	8-pin UART
Maximum power consumption	≈ 2.2 μW

### RF & FREQUENCY

LTE frequency bands (North / South America)	FDD: B2 / B3 / B4 / B5 / B7 / B8 / B28 / B66
TX power	LTE: +22 dBm (3GPP TS 36.101 R9 Class 3)
RX sensitivity	LTE: +22 dBm (3GPP TS 36.101 R9 Class 3)

## LET'S TALK



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### WHY CHOOSE FW-210?

- Replaces or complements traditional two-way radios with far greater coverage
- Reduces the need for private repeaters by using existing 4G networks
- Improves coordination and response times for dispersed teams
- Compact, ergonomic device that staff are comfortable carrying and using



**FREEWAYPTT**  
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