

FW-510

16 CHANNEL HANDHELD RADIO

Reliable coverage

Solid frame with no display for maximum durability

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

Heavy Duty, Professional Design

Heavy Duty & waterproof housing makes the FW-510 durable 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. Options GPS positioning 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-510 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	LTE 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	Compact, handheld LTE POC (push-to-talk over cellular) radio

GENERAL

Dimensions (H × W × D)	111 mm × 15 mm × 40 mm
Weight (including battery)	227 g
Working temperature	-30 °C ~ +75 °C
Operating voltage	DC 3.3 V – 4.2 V (recommended 3.6 V)
Working current (peak)	≈ 0.6 A
Average current	≈ 540 mA @ UMTS2100; ≈ 239 mA @ GSM900
Stand-by current	≈ 5 mA @ UMTS; ≈ 5 mA @ GSM
Battery capacity	5000 mAh
Charger mode	USB Type-C
Maximum power consumption	≈ 2.2 μW

FREQUENCY & RF

LTE frequency bands	FDD: B1 / B2 / B3 / B5 / B7 / B8 / B40
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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EMAIL ADDRESS
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WHY CHOOSE FW-510?

- 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
- Ergonomic device that staff are comfortable carrying and using

 **ROGERS**

 **TELUS**

 **Bell**

 **AT&T**

 **BellMTS**

 **WIND**

 **Movistar**

 **VIDÉOTRON**

 **tbaytel**

 **SaskTel**

 **eastlink**

Others

FREEWAYPTT
Communications: Made Easy®