



LTE On The Move

SIG Tactical Cellular Gateway – Mini

PRODUCT FEATURES

- 3GPP LTE complete system
- Power on and go solution
- 2 x 5W output
- Supports commercial LTE devices
- Local server for Edge Computing and storage
- Ruggedized
- Options for GPS-less & on-the-move operation
- Carry-on size

The SIG Tactical Cellular Gateway (TCG) system provides easy-to-use, easy-to-deploy Long Term Evolution (LTE) data capability for a variety of scenarios. Our TCG is a complete all-in-one LTE network solution with added capabilities to adapt to whatever the environment demands. The system leverages industry standards for cellular technology which minimizes deployment costs while ensuring interoperability. This product provides voice, high-speed data, video, and messaging to those who need it, where they need it, and when they need it.

The TCG system supplies best in class resource scheduling, allows for dynamic allocation of data resources to mobile devices, and efficiently utilizes bandwidth to allow more devices to access the network simultaneously and is compatible with commercial off-the-shelf (COTS) smartphones and tablets.

TCG can operate autonomously, as an aggregator for authentication services management, or simply networked for increased coverage.

The TCG has been designed to integrate easily with tactical network solutions to provide enhanced features such as situational awareness information dissemination, PTT integration, and tactical radio bridging.

Specifications



System Packaged for Transport



Typical Kit Contents



Sized for Carry-on transport



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MECHANICAL FEATURES

Size	Transit Case 9 inches x 14 inches x 22 inches (22 cm x 35 cm x 56 cm)
Weight	45 lbs
Environmental	Designed for Mil-Std-810G Wheeled Vehicle Vibration

Operational Capabilities

Radio Band Compatibility	Band 1 Std; Options for 2, 4, & 7
Computer Options	Integrated or Stand-alone
Transmit Power	2 x 5 Watts (configurable)
Environmental	Industrial (Std) Mil-Std-810G (optional)
Input Power	120v AC <200W
Data Interface	RJ45 Ethernet 10/100/1000 Base-T WAN
Number of Users	Standard 32 Optional: Up to 400
System Throughput (max)	150Mbps DL/ 50 Mbps UL

PRODUCT ORDERING

Crossbanding SW	Optional interface for Tactical radios or Push-To-Talk (PTT)
Backhaul Interfaces	WiFi & Ethernet Optional: Satcom
Interference scanner	Optional SW: feature to scan and identify other cellular networks
GPS	Options: GPS-less & On-the-Move

PRODUCT ORDERING

Tactical Cellular Gateway – Transit Case – Mini	TCG-Bx-TC-Mini-AC (Band x = 1,2,4, or 7)
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