



LTE On The Move

SIG Tactical Cellular Gateway – Micro

PRODUCT FEATURES

- 3GPP LTE complete system
- Multi-band operation
- Power on and go solution
- 2 x 1W output
- Supports commercial LTE devices
- Local user VM for Edge Computing and storage
- Ruggedized
- Optional interference scanning
- Manpack size

The SIG Tactical Cellular Gateway micro (TCGm) 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.

TCG can operate in a network for increased coverage or autonomously for remote users. This ability to scale as the organization grows make this a perfect capability for oil/gas exploration and other users in remote locations.

The TCG has been designed to integrate easily with any IP network for backhaul or local networking. Standard interfaces make it easy to interoperate with a variety of radio and communication assets.

The system includes a CentOS 7 virtual container to allow users to push lightweight edge applications to where they are needed with 400GB of user accessible storage.

With its multi-band configuration radio, the Micro system is ready to operate around the world. Rugged to withstand operations in harsh environments and built-in batteries to ease transportation and logistics.

Specifications



MECHANICAL FEATURES

Size	~3" x 9.5" x 12.75" (7.6 cm x 24.1 cm x 32.4 cm)
Weight	~13 lbs with batteries
Environmental	IP67

Operational Capabilities

Radio Band Compatibility	Band 5, 8, 12, 17, 26, & 28 (software configurable)
Transmit Power	2 x 1 Watt (configurable)
Environmental	Industrial (Std) Mil-Std-810G (optional)
Input Power	Internal Batteries (2) Aux options: 12v DC cable (<50W) BB-2590 cable (Std) AC Pwr Brick (option)
Data Interface	RJ45 Ethernet 10/100/1000 Base-T WAN
Number of Users	Standard 16 Optional: Up to 32
System Throughput (max)	150Mbps DL/ 50 Mbps UL
User Virtual Machine	CentOS 7 container

PRODUCT ORDERING

Crossbanding SW	Optional interface for radios or Push-To-Talk (PTT)
User Storage	Standard 400GB, optional 900GB
Interference scanner	Optional SW: feature to scan and identify other cellular networks
GPS	GPS-less & On-the-Move operation

PRODUCT ORDERING

Tactical Cellular Gateway – ManPack – Micro	TCG-MB-MP-Micro-16-512G-S
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