

Tactical Internet Gateway (TIG) Mini SC

Product Description

The TIG Mini is a beyond line-of-sight aggregator for multi-domain operations, enabling the extension and bridging of geographically dispersed networks at the tactical edge. Now available with Silvus' battle-proven MN-MIMO waveform integrated in one low SWaP solution to easily scale and flatten disparate networks of sensors, unmanned, and ISR systems. The TIG enables on-the-move-automated PACE functionality across multiple bearer channels, so your battlefield network maintains a resilient connection from the edge for increased situational awareness and decision dominance.



TIG Mini Features

- Designed to operate closed and on-the-move
- SF-VPN Encryption (AES-256-GCM)
- NIST FIPS 140-3 (#4763)
- WAN Smoothing & Traffic Steering
- Hot failover between all active WAN connections
- Bonding and Aggregation of available WAN links
- Bandwidth prioritization to limit expensive data traffic
- L2 Bridge (Multicast / CoT / PLI / TAK)
- Integrated commercial cellular modems, Wi-Fi and GPS
- NettWarrior compatible power (TIG-Mini)
- Integrates easily with Type-1 Encryption or CSfC approved devices
- FirstNet certified

Embedded StreamCaster Specifications

Transmit Power	Native TX Power User Adjustable 1mW - 2W	Effective TX Power w/Beamforming Up to 4W
Waveform	Mobile Networked MIMO (MN-MIMO)	
Encryption	DES56 (Standard) AES256 (Optional) FIPS 140-3	
Data Rate	Up to 100 Mbps (adaptive)	
Mimo Techniques	Spatial Multiplexing, Space-Time Coding TX/RX Eigen Beamforming	
Latency	7ms Average (20MHz BW)	
Sensitivitiy	-101dBm @ 5MHz BW -107dBm @ 1.25MHz BW (Optional)	
Channel Bandwidth (MHz)	20/10/5 (2.5/1.25 Optional)	
Scalability	550+ Nodes	
Spectrum Dominance LPI/LPD & Anti-Jam Capabilities	MANET Spectrum Analyzer (MAN-SA) MANET Power Control (MAN-PC)* MANET Protected Waveform (MAN-PW)* MANET Interference Avoidance (MAN-IA) MANET Interference Cancellation (MAN-IC)*	

*ITAR-Controlled

Embedded StreamCaster Frequency Bands (all bands listed in MHz)

Band	Code	Range
L	139	1350-1440
S	235	2200-2500
L&S	139235	1350-1440 + 2200-2500

