



# MLCS Federal

## Multi-layer Comms System for Federal Law Enforcement Agencies

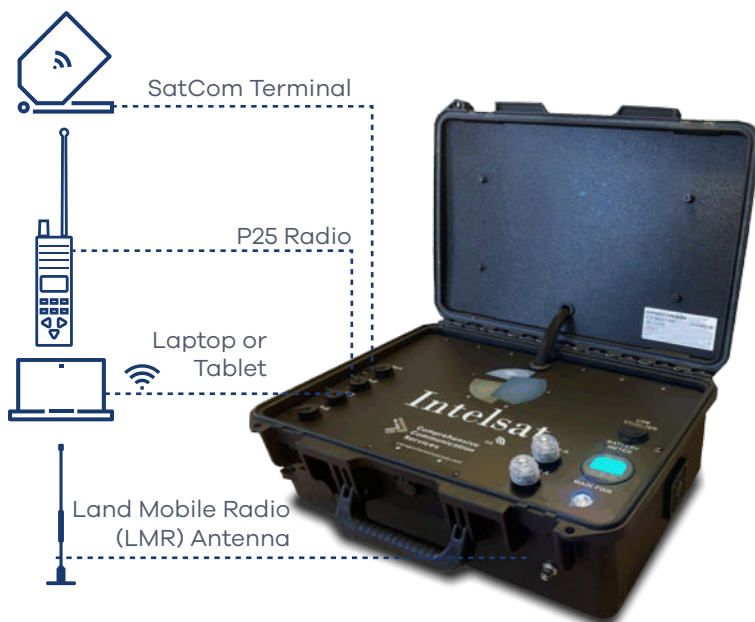


### Maintain Communications Anywhere with Multiple Network Technologies in a Single Portable System

Intelsat's MLCS Federal is designed for federal agencies, providing seamless communication over multiple communication technologies. This compact kit weighs 38 lbs. and runs on AC or battery, delivering instant network connectivity for P25 radios, cellphones, cameras, sensors, and other devices.

With advanced SD-WAN technology, MLCS Federal merges SatCom, LTE, 5G, and Wi-Fi WAN to deliver reliable bandwidth for mission-critical operations anywhere. Portable radios connect wirelessly, and the integrated radio gateway ensures secure P25 encryption, allowing voice, data, GPS, unit ID, emergency beacons, and KeyID to operate beyond line of sight (BLOS)—far surpassing legacy RoIP solutions.

### Typical Setup



### Benefits At-A-Glance



#### Global Coverage

Stay connected anywhere  
no matter how remote



#### High Speed / Low Latency

High speed / low latency LEO SatCom  
for real-time applications



#### Redundant Connections

Simultaneous use of multiple networks  
removes single points of failure



#### Fast and Easy Setup

Fast, easy setup in 5 minutes on  
average by a non-technical user



#### Multiple Devices

Connect up to 150 devices and multiple users



#### Monitoring and Diagnostics

Maintain remote monitoring, diagnostics,  
configuration, and Blue Force Tracking



With Intelsat’s MLCS Federal, encrypted voice, data, and surveillance can be sent from anywhere to anywhere; between team members or between separate teams with or without terrestrial infrastructure.

For mission-critical operations, simplicity is key:  
Just power on and go.

**MLCS Federal**



Specification	Details
Dimensions	19" W x 14" D x 9" H
Weight	38 lbs.
Power	110VAC, Battery
Battery	Li-FePO4, 28Ah @ 13.2V nominal
Runtime	24 hours (based on 5W TX PWR and 90:5:5 duty cycle)
User Capacity	1 - 150
AP Controller	Standard
Max # of AP	30
Cellular Data Rate	5G: 4 Gbps / 700 Mbps CAT-20: 2 Gbps / 150 Mbps
SatCom Data Rate	LEO: up to 200 Mbps / 20 Mbps GEO: Configurable
Wi-Fi Interface	Simultaneous Dual-band (2.4GHz/5GHz) Wi-Fi 6 2x2 MU-MIMO Wi-Fi WAN and/or AP
SpeedFusion Features	Hot failover WAN smoothing bandwidth bonding
IPSec	AES-256, DTLS 1.2, SHA-384

### About Intelsat

Intelsat’s global team of professionals is focused on providing seamless and secure, satellite-based communications to government, NGO and commercial customers through the company’s next-generation global network and managed services. Bridging the digital divide by operating one of the world’s largest and most advanced satellite fleet and connectivity infrastructures, Intelsat enables people and their tools to speak over oceans, see across continents and listen through the skies to communicate, cooperate and coexist. Since its founding six decades ago, the company has been synonymous with satellite-industry “firsts” in service to its customers and the planet. Leaning on a legacy of innovation and focusing on addressing a new generation of challenges, Intelsat team members now have our sights on the “next firsts” in space as we disrupt the field and lead in the digital transformation of the industry.

**Contact Sales:** [gs-salesinquiries@intelsat.com](mailto:gs-salesinquiries@intelsat.com)

### Support You Can Trust

At Intelsat, all solutions provided to government agencies include a suite of highly secure support services:

- 24/7 support via phone and email
- Secret Level clearances for support personnel
- Dedicated Program Manager
- Robust customer portal providing a suite of metrics



[intelsat.com](https://intelsat.com)