

Paradigm RAGNO950 Multi-band Terminal

Powered by Intelsat FlexMove for Government



The RAGNO is an ultra-portable, multiband terminal that is compact, rugged, and easy to use, powered by the intelligent Paradigm Interface Module (PIM®). It operates with field-changeable Mil-Ka/Ka- and Ku-band RF cartridges, enabling access to Intelsat's high-throughput FlexMove for Government satellite services. The RAGNO's single-piece parabolic reflector delivers exceptional SWaP performance in a discreet, lightweight design suited for fast deployment in mission-critical environments.

The integrated RF cartridge consolidates the BUC, LNB, feed, and waveguide components into a single, swappable unit—allowing rapid, tool-free transition between RF bands without technical expertise. It can be set up and on air in under two minutes, aided by the AI-assisted pointing capabilities of the ruggedized PIM touchscreen or glove-operated control pad.

With FIPS 140-2 Level 3 TRANSEC, IP67 ingress protection, and compliance with MIL-STD-810G, the RAGNO is purpose-built for reliability and performance in the most demanding tactical and emergency response scenarios.

Advanced Satcom Services Made Simple

- Ubiquitous, continuous broadband internet access
- Up to 20x faster than Mobile Satellite Services (MSS) at a fraction of the cost
- Mission-ready for government and military satcom
- Supports TRANSEC objectives



Compact, quick-deploy terminal that comes in a small, covert backpack



Set it up in just 30 seconds and be connected in less than 2 minutes



Supports multiple frequency bands, making it a versatile solution for military applications



Rugged design field proven in extreme conditions with IP67 ingress protection



INTELSAT



PARADIGM



RAGNO Multiband Satellite Terminal Features:

- Rapid tool-free setup, on air <2 minutes
- Simple AI-assisted terminal pointing
- Unrivalled SWaP vs performance
- Ruggedized to MIL-STD
- FIPS 140-2 Level 3 TRANSEC security
- Field-changeable RF heads:
 - Mil-Ka/Ka- and Ku-band & BUC options
- Low power consumption
- Wide range of power input options
- IATA-compliant single backpack/case
- On-board Spectrum Analyzer
- SD/Multi Orbit WAN Functionality



SPECIFICATIONS

REFLECTOR SIZE

400 mm (single piece)

POSITIONER

Assisted manual-adjust pointing

ON-AIR TIME

Under 2 minutes

PIM INTERFACE

Touchscreen (glove-compatible), built-in spectrum analyzer

PERFORMANCE

FREQUENCY RANGE (GHZ)

MIL-KA / KA-BAND

- Rx: 19.2 – 21.2 GHz
- Tx: 29.0 – 31.0 GHz
- Polarization: Circular (RH or LH)

KU-BAND

- Rx: 10.70 – 12.75 GHz
- Tx: 13.75 – 14.50 GHz
- Polarization: Linear

EIRP

- Ka-band: 51.55 dBW
- Ku-band: 47.6 dBW

G/T

- Ka-band: 15 dB/K
- Ku-band: 13.5 dB/K

POWER

INPUT OPTIONS

- 12–36VDC
- 110–240VAC to 24VDC
- Battery (BB2590) and vehicle DC cable options

INTERFACES

NETWORK INTERFACE

- 2 x Ethernet (RJ45) – 10/100/1000 Mbps, full duplex
- Wi-Fi (configurable for M&C and/or data)
- USB-C

MODEM OPTIONS

- iDirect 950mp
- Supports all major modem types

SECURITY

FIPS 140-2 Level 3 TRANSEC and anti-tamper locking

COMPLIANCE

FCC 25.138, 25.209, 25.218, 25.222

ITU-R.S.728, ITU-R.S.524

CFR47, 164C

Compatible with all major satellite constellations

ENVIRONMENTAL

OPERATING TEMPERATURE

-32°C to +55°C (-25.6°F to 131°F)

HUMIDITY

0 to 95% (condensing)

INGRESS PROTECTION

IP67

MIL-STD-810G COMPLIANCE

Vibration, shock, salt, fog, sand/dust, humidity, driving rain

MECHANICAL

AZIMUTH ADJUSTMENT

360° continuous (via rotation)

ELEVATION ADJUSTMENT

- Coarse: 0° to 90°
- Fine: 0° to 45°

DIMENSIONS & WEIGHT

- **Weight:** 7.5 kg (16.5 lb.)
- **Stowed Dimensions:** 510 x 400 x 100 mm (20" x 15.5" x 4")

Intelsat provides advanced multi-orbit, multi-band, and multi-network SATCOM solutions for mission-critical communications anytime, anywhere, all backed by expert account management and highly secure network operations.



To learn more, visit intelsat.com/gov or contact gs-salesinquiries@intelsat.com