Paradigm Hornet950
Multi-band Terminal
Powered by Intelsat FlexMove for Government

The HORNET950 is a high-speed, multi-band terminal that is compact, mobile, and easy-to-use, powered by the intelligent controller, the PIM® (Paradigm Interface Module). It operates with field-changeable 80/100cm reflectors and RF options, providing access to the most advanced IP satellite services over Mil-Ka, Ka, Ku and X-band. With its rugged and lightweight design, the HORNET950 is suited for rapid deployment in demanding environments - just pack and go.

The segmented carbon-fiber reflector provides excellent SWaP characteristics, and allows you to change between aperture sizes in the field, deploying quickly and accurately without the need for tools. The integrated, adjustable legs maintain stability through a low center of gravity. No technical expertise for quick change-outs required, and the intelligence of the PIM will automatically recognize hardware to enable simple reconfiguration.

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

Discrete, easy to stow and deploy, ideal for military operation

Up to 10 x 3 Mbps, ideal for high-speed data communications and video transfer

Authorized for use on Intelsat's global, Ku-band high-throughput network

Redundant and survivable connectivity solution for mission-critical operations

INTELSAT. | PARADIGM

Hornet950 multi-band satellite terminal features:

- Field-changeable modules:
  – 80/100cm reflectors
  – Mil-Ka, Ka, Ku, X-band & BUC options
- Max. RF efficiency for high throughput
- Rapid tool-free setup, on air <5 minutes
- Simple AI-assisted terminal pointing
- FIPS 140-2 Level 3 TRANSEC security
- Low power consumption
- Seamless, automatic power-switching with integrated AC/DC input options
- IATA-compliant single transport case

SPECIFICATIONS

REFLECTOR SIZE
80 / 100 cm

REFLECTOR PANELS
5 / 7

EIRP
Ka-band 58.6 / 60.5 dBW
Ku-band 56.4 / 58.2 dBW
X-band   54.5 / 56.5 dBW

G/T
Ka-band 19.1 / 21.1 dB/K
Ku-band 17.5 / 19.5 dB/K
X-band   14.2 / 16.0 dB/K

POSITIONER
Assisted manual-adjust pointing

PERFORMANCE
FREQUENCY RANGE (GHZ)
Ka-band
Rx: 19.2 – 21.2 GHz
Tx: 29.0 – 31.0 GHz

Ku-band
Rx: 10.70 – 12.75 GHz
Tx: 13.75 – 14.50 GHz

X-band
Rx: 7.25 – 7.75 GHz
Tx: 7.90 – 8.40 GHz

BUC POWER (W)
Ka-band 25
Ku-band 16, 55
X-band   50, 80, 100

POLARISATION
Ka-band Circular, RH, or LH
Ku-band Linear
X-band   Circular, RH, or LH

EXTERNAL POWER
90-264 VAC 47-63Hz,
12 – 36 VDC (24V nom.)
18-36 VDC (24V nom.)
36 - 75 VDC (48V nom.)
Uninterrupted dual power

NETWORK INTERFACE
3 x Ethernet (RJ45) 10 / 100 / 1000Mbps full duplex, fully configurable as data and/or M&C

MODEM OPTIONS
iDirect 950mp / PIM supports all major modem types / External

SECURITY
FIPS140-2 Level 3 TRANSEC and anti-tamper device locking

COMPLIANCE
FCC 25.138, FCC 25.209, FCC 25.218, FCC 25.222, ITU-R.S.728, ITU-R.S.524, CFR47, 164C, All major satellite constellations

ENVIRONMENTAL
AMBIENT OPERATING TEMPERATURE
-32° to +55°C (-25.6° to 131°F)

OPERATING HUMIDITY
0 to 95%

INGRESS PROTECTION
IP67

MIL-STD-810G for vibration, shock, salt fog, sand and dust, humidity and driving rain

MECHANICAL
AZIMUTH ADJUSTMENT
180° Continuous, Fine ±70°

ELEVATION ADJUSTMENT
0° to 90° Continuous, Fine 0° to 90°

WEIGHT AND DIMENSIONS
Weight (Out of Case)
Typically 34.61 lbs (15.7kg)

Weight (In Case)
Typically 61.95 lbs (28.1kg)

Dimensions
32 x 21 x 13 inches
(838 x 533 x 330mm)

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.

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