

PANTHER™ II

Man-Portable VSAT
Powered by Intelsat® General's FlexMove



ANTENNA / PEDESTAL	
Aperture Options	60 cm parabolic, 8 piece 96 cm parabolic, 8 piece
Optics	Center fed
Acquisition	Auto or manual
Elevation	0° to +90° with ± 10° (fine tune)
Azimuth	Manual acquisition: +/- 10° (fine tune) Auto acquisition: +/- 90°

BAND SUPPORT			
RF Performance	X-Band	Ku-Band	Ka-Band
Transmit (GHz)	7.90–8.40	13.75–14.50	29.0–31.0
Receive (GHz)	7.25–7.75	10.95–12.75	19.2–21.2
Polarization	Circular	Linear	Circular
G/T (dB/K)	X-Band	Ku-Band	Ka-Band
60 cm	10.2	14.2	15.5
96 cm	13.8	17.8	18.5
EIRP (dBW)	X-Band	Ku-Band	Ka-Band
60 cm Standard Power	42 (10 W)	48.3 (13 W)	51.4
High Power	44.5 (18 W)	51.1 (25 W)	51.4
96 cm Standard Power	45.6 (10 W)	51.9 (13 W)	55.6
High Power	48.2 (18 W)	54.7 (25 W)	55.6

MODEM INTEGRATION
iDirect® 950mp, Comtech™ DMD1050TS, UHP™ 1100, ViaSat® CBM-400, L3Harris® MPM-2500

INTERFACES	
Data Ports*	2 LAN
DC Input*	10-36 VDC
Battery	BB-2590, CWB-150
Receive Monitor Port	TNC connector
External GPS Port	NMEA

POWER (WITH OPTIONAL AC/DC SUPPLY)	
AC	Auto-sensing 90-264 VAC
DC	10-48 VDC
Consumption	240 VA to 447 VA

MECHANICAL	
60 and 96 cm	1 case



The Panther II is a tri-band, man-portable VSAT system, available in 60 and 96 centimeter apertures. Capable of both auto and manual acquisition, this system provides high-speed data communications for Internet, VPN connectivity and video transmission. This highly rugged VSAT system is lightweight, able to be carried in a rucksack or airline-checkable hard case, and offers high data rates over commercial and military satellites. A single interface connection between transceiver and modem significantly reduces critical setup time.

* Power options vary depending on system configuration

SYSTEM WEIGHT

	Manual	Auto Acquire (AAK)
60 cm Terminal	27 lb	42 lb
96 cm Terminal	33 lb	49 lb

PACKED SYSTEM WEIGHT*

	Manual	Auto Acquire (AAK)
60 cm Terminal	63 lb	81 lb
96 cm Terminal	74 lb	92 lb

ENVIRONMENTAL

Temperature	Operational: -32°C to +55°C (-25° F to 131° F) , Storage: -40°C to +60°C (-40° F to 140° F)
Wind Loading	30 mph, gusting to 45 mph, with anchors

CERTIFICATIONS

MIL-STD-810G, ARSTRAT (X- & Ka-Band), XTAR, Inmarsat Global Xpress, Intelsat General FlexMove

*Custom packout options available

KEY FEATURES

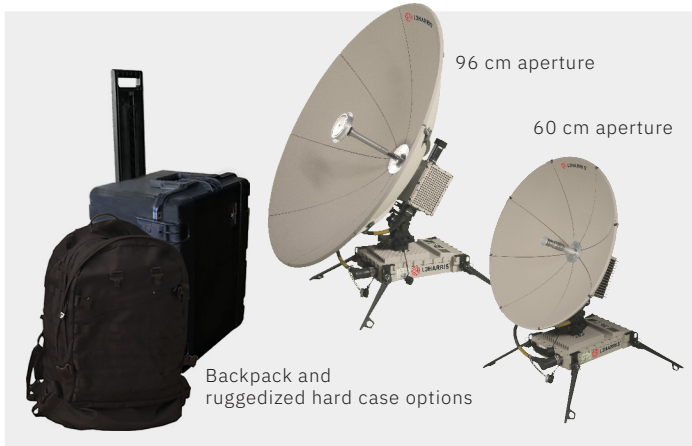
- > Intelsat FlexMove-qualified terminal
- > Ubiquitous, continuous broadband internet access
- > Up to 20x faster than Mobile Satellite Services (MSS) at a fraction of the cost
- > Suitable for government, tactical and commercial use
- > Global, Ku-band high-throughput network
- > Up to 10 x 3 Mbps, ideal for high-speed data communications and video transfer
- > Redundant and survivable connectivity solution for mission-critical operations

The modular design of the Panther II allows the system to be configured to adapt to varying missions. The operator can easily change RF band, aperture size and acquisition method. To enable access to global networks, this system is offered with a number of embedded modem options. The Panther II integrates an elegant and simple manual pointing method using intuitive front-panel visual indicators as well as ViewSat™-e, the integrated web-based GUI. This allows for easy, accurate, and quick acquisition without complex test equipment.

Options to the base system include the Auto-Acquire Kit (AAK) and high power Ku- and X-Band transceiver. The AAK features the L3Harris antenna controller, utilizing the same ViewSat-e interface as the manual point version. The controller and motors are housed in a self-contained weather-hardened package.

PANTHER II MAN-PORTABLE VSAT SYSTEM FEATURES

- > Modular design allows for easy RF band and aperture change
- > Azimuth and elevation fine tune adjustments
- > Auto-Acquisition or Manual Point
- > No Fans - passively cooled modem chassis
- > Supports the iDirect keyline feature for power savings
- > Integrated ViewSat-e web-based GUI and front panel user interface
- > External power supply provides UPS functionality and charges batteries (optional)
- > Ku-Band (optional)



To learn more about Intelsat FlexMove, visit intelsat.com/flexmove or contact your local sales representative

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To learn more about Panther II, visit l3harris.com/panther

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