



**L3HARRIS®**  
FAST. FORWARD.

## PANTHER™ II

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

### ANTENNA/PEDESTAL

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

### BAND SUPPORT

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

### MODEM INTEGRATION

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

### INTERFACES

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

### POWER (WITH OPTIONAL AC/DC SUPPLY)

<b>AC</b>	Auto-sensing 90-264 VAC
<b>DC</b>	10-48 VDC
<b>Consumption</b>	240 VA to 447 VA

### MECHANICAL

<b>60 and 96 cm</b>	1 case
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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

[L3Harris.com](http://L3Harris.com)

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- and Ka-Band), XTAR, Inmarsat Global Xpress, Intelsat General FlexMove	

\*Custom packout options available

## KEY FEATURES

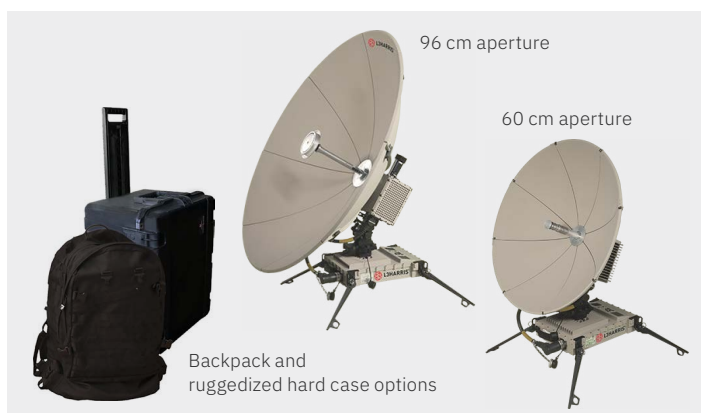
- > Intelsat FlexMove-qualified terminal
- > Ubiquitous, continuous broadband internet access
- > Up to 20x faster than Mobile Satellite Services (MSS) at a fraction of the cost
- > Suitable for government, tactical and commercial use
- > Global, Ku-band high-throughput network
- > Up to 10 x 3 Mbps, 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](https://intelsat.com/flexmove) or contact your local sales representative

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To learn more about Panther II, visit [L3Harris.com/panther](https://L3Harris.com/panther)

## PANTHER™ II

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