



L3HARRIS®
FAST. FORWARD.

PANTHER™ II

Sub 1-meter hybrid SATCOM: multiband, multi-orbit and multi-network

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)	7.9-8.4	13.75-14.5	29-31
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
Standard Power (60 cm)	42 (10 W)	48.3 (13 W)	51.4 (7 W)
Standard Power (96 cm)	45.6 (10 W)	51.9 (13 W)	55.6 (7 W)

MODEM INTEGRATION	
iDirect® 950mp, iDirect 450, Comtech 5650C2/MP, Comtech™ DMD1050TS, UHP™ 1100, ViaSat® CBM-400, Extant 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 90-305 VAC, 47-63 Hz
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 featuring a single interface connection between transceiver and modem that significantly reduces critical setup time. Capable of both auto and manual acquisition, this system provides high-speed data communications for Internet, VPN connectivity and video transmission at rates exceeding commercial and military satellites. Available in 60- and 96-centimeter apertures, the complete system is lightweight and able to be carried in a rucksack or airline-checkable hard case.

*Power options vary depending on system configuration

SYSTEM WEIGHT		
	Manual	Auto Acquire (AAK)
60 cm Terminal	27 lbs.	42 lbs.
96 cm Terminal	33 lbs.	49 lbs.

PACKED SYSTEM WEIGHT*		
	Manual	Auto Acquire (AAK)
60 cm Terminal	63 lbs.	81 lbs.
96 cm Terminal	74 lbs.	92 lbs.

CERTIFICATIONS
MIL-STD-810G, MIL-STD-188-167, Consumer Electronics (CE)

NETWORK TYPE APPROVALS
Wideband Global SATCOM (WGS), SES mPOWER, SES FlexMove, Viasat Global Xpress, Viasat GX10A/B (HEO) in progress, XTAR

*Custom packout options available

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 a simple manual pointing method using intuitive front-panel visual indicators as well as ViewSat™-e, the integrated web-based GUI, for easy, accurate and quick acquisition without complex test equipment.

Options to the base system include the Auto-Acquire Kit (AAK) and standard 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
- > Fully operational with or without an external web interface/laptop
- > External power supply provides UPS functionality and charges batteries (optional)
- > Ku-Band (optional)



Backpack and ruggedized hard case options

96 cm aperture

60 cm aperture

PANTHER™ II

© 2026 L3Harris Technologies, Inc. | 02/2026 | L31560

NON-EXPORT CONTROLLED: THIS DOCUMENT CONSISTS OF INFORMATION THAT IS NOT DEFINED AS CONTROLLED TECHNICAL DATA UNDER ITAR PART 120.33 OR TECHNOLOGY UNDER EAR PART 772.

L3Harris is the Trusted Disruptor in defense tech. With customers' mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit L3Harris.com for more information.



1025 W. NASA Boulevard
Melbourne, FL 32919

L3Harris.com