

## Man-Portable VSAT



The Panther II is a Tri-Band, man-portable VSAT system, available in 60 and 96 cm apertures, available in both manual or auto-acquire configurations. This system provides high-speed data communications for Internet, VPN connectivity and video transmission. This highly rugged VSAT system is light-weight, able to be carried in a rucksack or airline checkable hard case, and offers high data rates over commercial and military satellites. The implementation of a single interface connection between transceiver and modem significantly reduces critical setup time.

The modular design of the Panther II allows the system to be configured to adapt to varying missions. The system provides the ability to easily change RF band, aperture size and acquisition type. And to enable access to global networks, this system is offered with a number of embedded modem options. The Panther II integrates an elegant, but simple manual antenna 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.

***New to the Panther II product family is the addition of an Auto-Acquire kit. With an internal position controller and weather-hardened motor package, this module provides auto-acquire capability and is interchangeable with the proven manual articulation system.***

### SYSTEM FEATURES

- Modular design allows for easy RF band and aperture change
- Azimuth and elevation fine tune adjustments
- Auto-Acquisition or Manual Point options
- No Fans - passively cooled
- Supports the iDirect keyline feature for power savings
- Easy to use push/pull connectors for rapid setup
- Integrated ViewSat™-e web-based GUI and front panel user interface
- External power supply provides UPS functionality and charges batteries (optional)



Panther II with Auto-Acquire kit installed



## Man-Portable VSAT

ANTENNA/PEDESTAL				
Reflector Options	60cm parabolic, 8pc.			
	96cm parabolic, 8pc.			
Optics	Center-fed			
Acquisition	Auto or Manual			
Elevation	0° to +90°			
Azimuth	Manual: +/- 10° (fine tune)			
	Auto: +/- 90°			
BAND SUPPORT				
X-, Ku-, Ka-				
RF PERFORMANCE				
	X-	Ku-	Ka-	
Transmit (GHz)	7.90 to 8.40	13.75 to 14.50	29.0 to 31.0	
Receive (GHz)	7.25 to 7.75	10.95 to 12.75	19.2 to 21.2	
60cm EIRP (dBW)	41.6 (10 W)	48.0 (13 W)	51.8 (5 W)	
60cm G/T (dB/K)	10.0	12.8	15.2	
96cm EIRP (dBW)	46.1 (10W)	51.7 (13W)	55.4 (5W)	
96cm G/T (dB/K)	13.8	16.2	18.3	
MODEM INTEGRATION				
iDirect 950mp, Comtech DMD-1050TS, UHP 1100, ViaSat CBM-400, Linkabit MPM-2500				
INTERFACES				
Data Ports	2 LAN			
DC Input	18-36VDC			
Battery	BB-2590, CWB-150			
GPS	NMEA			
POWER (with optional AC/DC supply)				
AC	90-264VAC; 47-440Hz			
DC	10-48VDC			
Consumption	240VA			
MECHANICAL				
# of cases	1*			
Terminal Weight	60cm Manual	60cm Auto	96cm Manual	96cm Auto
	29 lbs	45 lbs	39 lbs	55 lbs
ENVIRONMENTAL				
Temperature	Operational: -32°C to +50°C			
	Storage: -40°C to +60°C			
Wind Loading	25 mph, gusting to 40 mph, with anchors			
CERTIFICATIONS				
MIL-STD-810G, ARSTRAT (X- & Ka-Band), XTAR, Inmarsat Global Xpress				

\* = baseline configuration



Backpack and ruggedized hard case options



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