

96cm Man-Portable VSAT



The Panther II 96cm man-portable VSAT system from L3 GCS 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 standard system is offered with an embedded iDirect Evolution e850mp modem with DVB-S2 receive capability and TDMA return channel. The modular design of the Panther II makes it possible for us to offer Band kits for quick and easy conversion from one band to another without the need for an additional chassis.

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 bulky motors, drive systems or complex test equipment.

SYSTEM FEATURES

- Modular design allows for easy RF band change
- Azimuth and elevation fine tune adjustments
- No Fans - passively cooled
- Supports the iDirect keyline feature
iDirect Evolution series modem capable of DVB-S2
- Easy to use push/pull connectors for rapid setup
- Integrated ViewSat™-e web-based GUI and front panel user interface
- Battery - typical runtime is > 2 hrs. on single BB-2590 with keyline feature enabled
- External power supply provides UPS functionality

APPLICATIONS

- Quick-deploy voice, data, and video
- Military command/control or logistic support communications
- Deployable Homeland Defense or Emergency Response communications
- Worldwide remote Internet/VPN connectivity
- VoIP or Video-Conferencing





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ANTENNA/PEDESTAL			
Reflector	96cm parabolic, 8pc.		
Optics	Center-fed		
Acquisition	Manual		
Elevation	0° to +90°		
Azimuth	+/- 10° (fine tune)		
BAND SUPPORT			
X-, Ku-, Ka- Wideband			
RF PERFORMANCE			
	X-	Ku-	Ka-WB
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
EIRP (dBW)	45.9	51.7	52.8
G/T (dB/K)	14.3	18.2	20.3
MODEM INTEGRATION			
iDirect e850MP			
INTERFACES			
Data Ports	2 LAN		
DC Input	18-36VDC		
Battery	BB-2590 (up to 3)		
GPS	NMEA		
POWER (with optional AC/DC supply)			
AC	90-264VAC; 47-440Hz		
DC	10-48VDC		
Consumption	240VA		
MECHANICAL			
# of cases	2 airline checkable hard cases*		
Terminal Weight	39 lbs.		
Case Dimensions	25.5 x 19.5 x 15.9 inches (each)		
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- and Ka-Band)		**certifications in process	



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* Subject to individual airline regulations

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