

Panther .96M VSAT Terminal for High Speed, Portable Data Communications

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Providing high-speed data communications in a portable package, the Panther™ .96 VSAT terminal is perfect for military missions or business requirements. Extremely rugged and lightweight, the Panther™ VSAT terminal offers Internet and VPN connectivity, enabling video transmission with Inmarsat BGAN-like simplicity, but with significantly higher data rates over commercial and military satellites.

Smallest, most rugged and compact VSAT terminal

The smallest, most rugged VSAT terminal of its type, the .96M Panther™ provides up to 6 Mbps (transmit) and up to 45 Mbps (receive) data rates, and fits into two rugged, airline checkable cases.

The standard Panther™ terminal is offered with an embedded iDirect Evolution iConnex e850mp modem with DVB-S2 receive capability and TDMA return channel. Incorporating Adaptive Code Modulation (ACM), the Panther™ terminal allows for high data throughput and flexibility in disadvantaged satellite coverage areas.

Elegant, Simple Use

Integrating an elegant, but simple manual antenna pointing method using intuitive visual indicators, The Panther™ allows easy, accurate, and quick acquisition without bulky motors, drive systems or complex test equipment.

The high gain of the antenna enables the terminal to be used in less than optimal locations within the satellite footprint. Ethernet data interfaces are provided for connection of various data, voice and video devices using an Everything Over IP (EoIP) approach. Control is via a simple, embedded web-based GUI.

FEATURES

- ✓ Fully integrated, lightweight, rugged design
- ✓ Azimuth and elevation fine-tune adjustments
- ✓ No Fans - passively cooled
- ✓ Supports the iDirect Keyline feature
- ✓ Co-Pol option
- ✓ iDirect Evolution series modem capable of DVB-S2
- ✓ Field connectivity over CAT-5 cable eliminates heavy IFL cables
- ✓ Integrated web-based GUI and front panel user interface



Specifications

MECHANICAL	
Case	◆ 2 cases ◆ Case dimensions =
Dimensions & Weight	22" (L) x 18" (W) x 10" (H) inches • Packed weight ≤ 45 lb. per case Note: Weight includes outriggers, battery box, AC/DC power supply, and cables
INTERFACES	
Modem Support	iDirect e850MP
Ports	(2) RJ45 100baseT Ethernet ports
POWER	
90-264VAC, 50/60 Hz	
18-48 VDC	
Optional battery box for use with (2) BB-390B/U batteries	
ELECTRICAL / PERFORMANCE	
Band Support	Ku-
Antenna	37 inches (.96m) parabolic, center fed 8pc. reflector
Sidelobes	Per ITU-R S.524-8, ITU-R S.728-1, FCC 25.222 (Ku-)
Polarization	Horizontal or vertical cross pol configurable (Ku-)
G/T	Ku- = 18.2 dB/K @ 20° elevation (mid Band)
EIRP (Linear)	Ku- = 51.7 dBw (mid Band)
ENVIRONMENTAL	
Wind loading	25 mph (40 km/h) 40 mph (64.5 km/h) with anchors
Operating Temp.	-32 °C to +50 °C - operating
Certification of	MIL-STD 810G

production units

Panther .96M VSAT Terminal for High Speed- Portable Data Communications - Military