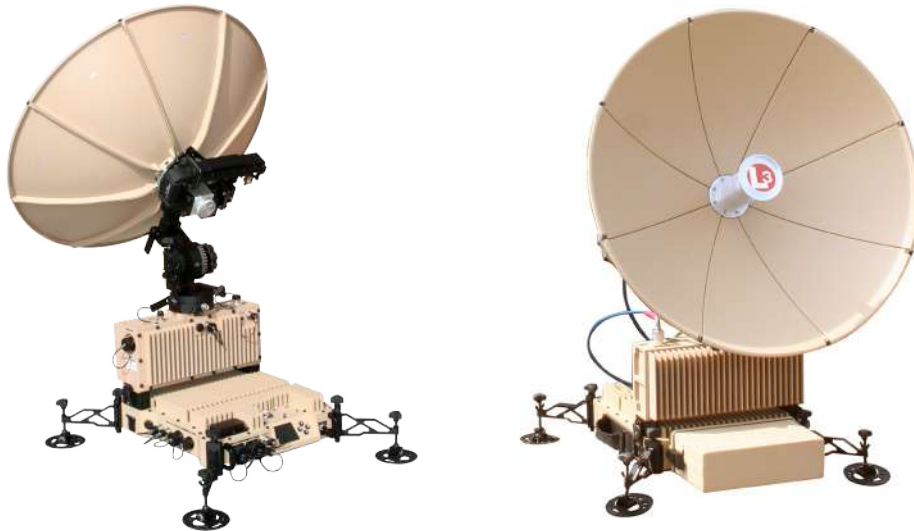


## 60cm Man-Portable VSAT



The Panther VSAT from L-3 GCS provides high-speed data communications for Internet, VPN connectivity and video transmission. This highly rugged VSAT manpack is light-weight, highly portable and offers simplistic pointing, fine-tune adjustments and control capabilities via visual indicators on the front panel and an embedded, web-based GUI. This allows for easy, accurate, and quick acquisition without bulky motors, drive systems or complex test equipment.

The Panther VSAT is available in three frequency bands: X-, Ku- and Ka-. A complete single band system is designed to be packed/carried in a 'rucksack' or airline checkable case. Optional ancillary RF kits are available to allow the user to quickly change from band to band without the need for an additional terminal. The standard Panther manpack terminal is offered with an embedded iDirect Evolution iConnex e850mp modem with DVB-S2 receive capability and TDMA return channel.

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.

### FEATURES

- Fully integrated, light-weight, rugged manpack design
- Interchangeable Feed and RFE 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
- Integrated web-based GUI and front panel user interface
- Field connectivity over CAT-5 cable
- Comtech DMD1050 modem option
- Co-Pol option (Ku-Band)



## 60cm Man-Portable VSAT

<b>ANTENNA/PEDESTAL</b>				
Reflector	60cm parabolic, 8pc.; 96cm (optional)			
Optics	Center-fed			
Acquisition	Manual			
Elevation	0° to +90°			
Azimuth	+/- 10° (fine tune)			
<b>BAND SUPPORT</b>				
X-, Ku-, Ka-				
<b>RF PERFORMANCE</b>				
	X-	Ku-	Ka-mil	Ka-WB
Transmit (GHz)	7.90 to 8.40	13.75 to 14.50	30.0 to 31.0	29.0 to 31.0
Receive (GHz)	7.25 to 7.75	10.95 to 12.75	20.2 to 21.2	19.2 to 21.2
EIRP (dBW)	41.9	47.7	49.2	48.8
G/T (dB/K)	10.3	14.2	16.4	16.3
<b>MODEM INTEGRATION</b>				
iDirect e850MP, Comtech DMD1050, ViaSat CBM-100, Linkabit MPM-2500				
<b>INTERFACES</b>				
Data Ports	2 LAN			
DC Input	18-48VDC			
Battery	BB-390B/U (2)			
GPS	NMEA			
<b>POWER (with optional AC/DC Supply)</b>				
AC	90-264VAC; 47-440Hz			
DC	10-48VDC			
Consumption	316VA			
<b>MECHANICAL</b>				
# of cases	1			
Terminal Weight	<42 lbs.			
Case Dimensions	25.5 x 19.5 x 15.9 (inches)			
<b>ENVIRONMENTAL</b>				
Temperature	Operational: -32°C to +50°C Storage: -40°C to +60°C			
Wind Loading	25 mph, gusting to 40 mph, with anchors			
<b>CERTIFICATIONS</b>				
MIL-STD-810G, ARSTRAT (X- & Ka-Band), Inmarsat GX Type Approved				
Type Designation	X-	Ku-	Ka-	
	AN/TSC-226	AN/TSC-225	AN/TSC-227	



### GCS

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