

GCS PANTHER II



MAN-PORTABLE VSAT TERMINAL (Parabolic)

Panther II



Whether the need is combat support, intelligence, executive travel, special missions or homeland security, the Panther™ II VSAT terminal from L-3 GCS provides high-speed data communications for Internet, VPN connectivity and video transmission. This highly rugged portable VSAT terminal is light weight, highly portable and offers high data rates over commercial and military satellites. The Panther™ II is designed to be carried in a 'rucksack', airline carry-aboard or checkable case*. The smallest, most rugged VSAT terminal of its type, the Panther™ II provides up to 3 Mbps (transmit) and up to 45 Mbps** (receive) data rates.

The standard system is offered with an embedded iDirect Evolution iConnex e850mp modem with DVB-S2 receive capability and TDMA return channel. The modem incorporates Adaptive Code Modulation (ACM), which allows for high data throughput and flexibility in disadvantaged satellite coverage areas. The Panther™ integrates an elegant, but simple manual antenna pointing method using intuitive front panel visual indicators as well as an integrated web-based GUI. This allows for 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.

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
- Field connectivity over CAT-5 cable eliminates heavy IFL cables
- Integrated ViewSat™-e web-based GUI and front panel user interface

**Optional accessories
may require larger rugged case*

***Assumes DVB-S2*

GCS PANTHER II



MAN-PORTABLE VSAT TERMINAL (Parabolic)

Panther II VSAT in standard case (includes Panther II, battery cable)

MECHANICAL	
System weight	29 lbs. (13.2 kg)
Standard Case Dimensions	21(L) x 15(W) x 9(H) inches 53.4(L) x 38.1(W) x 22.9(H) centimeters
INTERFACES	
Modem Support	iDirect e850MP
Ports	(2) RJ45 100baseT Ethernet ports
POWER	
<ul style="list-style-type: none"> Standalone power supply operating off 10-48VDC or 90-264VAC, 47-440Hz 18-36VDC or a BB-2590 battery (up to 3) 	
ELECTRICAL/PERFORMANCE	
Band Support	X, Ku, Ka
Antenna	24 inches (.60m) parabolic, center fed 8pc. Reflector
Sidelobes	Per ITU-R S.524-8, ITU-R S.728-1, FCC 25.222 (Ku) per MIL-STD 188-164A (X, Ka)
Polarization	<ul style="list-style-type: none"> Horizontal or vertical cross pol configurable (Ku) Circular (X and Ka)
G/T	@ 20° elevation X = 10.3 dB/K Ku = 14.2 dB/K Ka = 16.7 dB/K
EIRP	X = 41.9 dBw Ku = 47.7 dBw Ka = 49.2 dBw
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	<ul style="list-style-type: none"> MIL-STD 810G (in process) ARSTRAT (in process)

PART NUMBER	DESCRIPTION
GCS-3260eK-01*	Panther II, iDirect e850, Ku-Band
GCS-3260eX-01*	Panther II, iDirect e850, X-Band
GCS-3260eW-01*	Panther II, iDirect e850, Ka-Band

* = (W) White, (T) Tan



GCS

7640 Omnitech Place
Victor, NY 14564
Tel: 585.742.9100
Email: GCS.information@L-3com.com
www.L-3com.com/GCS

This technical data and software is considered as Technology Software Publicly Available (TSPA) as defined in Export Administration Regulations (EAR) Part 734.7-11.

Rev. C

GCS