The Panther II 60cm Tri-Band, 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 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 and charges batteries (optional)

**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
## ANTENNA/PEDESTAL
- **Reflector**: 60cm parabolic, 8pc.; 96cm (optional)
- **Optics**: Center-fed
- **Acquisition**: Manual
- **Elevation**: 0° to +90°
- **Azimuth**: +/- 10° (fine tune)

## BAND SUPPORT
- X-, Ku-, Ka- Wideband

## RF PERFORMANCE

<table>
<thead>
<tr>
<th></th>
<th>X-</th>
<th>Ku-</th>
<th>Ka-WB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmit (GHz)</td>
<td>7.90 to 8.40</td>
<td>13.75 to 14.50</td>
<td>29.0 to 31.0</td>
</tr>
<tr>
<td>Receive (GHz)</td>
<td>7.25 to 7.75</td>
<td>10.95 to 12.75</td>
<td>19.2 to 21.2</td>
</tr>
<tr>
<td>EIRP (dBW)</td>
<td>41.9 (10 W)</td>
<td>47.7 (13 W)</td>
<td>48.8 (5 W)</td>
</tr>
<tr>
<td>G/T (dB/K)</td>
<td>10.3</td>
<td>14.2</td>
<td>16.3</td>
</tr>
</tbody>
</table>

## MODEM INTEGRATION
- iDirect e850mp, 950mp, other modem platforms available upon request

## 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**: 1
- **Terminal Weight**: 29 lbs.
- **Case Dimensions**: 45 linear inches

## 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)  
  *certifications in process

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