Tampa Microwave

1.3m Flyaway Satellite Terminal

Tampa Microwave’s 1.3 Meter Fly-Away terminal utilizes the electronic modules that are common to our entire family of manpack terminals (Receiver / Transmitter, Modem and Power Supply Modules). All SATCOM frequency bands are supported (X, Ku, Ku 30B and Ka-bands). The TM130 is packaged as a single band, dual band or tri-band system in two airline checkable transit cases that are FAA compliant. (3 Cases required for tri-band)

They are designed for quick deployment, rapid set up, minimal configuration time, and excellent portability. The TM130 can operate greater than 2 hours from a single BB-2590 battery.

Operating without fans, the TM130 is both rugged and quiet. The easy to use auto-assist pointing enables fast satellite acquisition by minimally trained personnel. The absence of automated mechanical/electrical pointing and tracking mechanisms increases reliability and ensures that there is no single point of failure that would compromise the mission.

Key Terminal Features

- Supports X, Ku, Ku-30B and Ka-Bands (military and commercial)
- No fans – high reliability design that eliminates cooling fans and motors
- Auto Assist Pointing – simple front panel display instructions assist satellite acquisition
- High Performance – low loss
- One-Person setup in under 10 minutes, without tools
- The center-fed antenna enables simple frequency / feed swaps and also aids in maintaining antenna / tripod stability in windy conditions
- Modem agnostic
Features and Specifications

<table>
<thead>
<tr>
<th></th>
<th>X-Band</th>
<th>Ku-Band</th>
<th>Ka-Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>G/T (20 deg elevation angle) Low Power</td>
<td>16.7 dB/K</td>
<td>19.5 dB/K</td>
<td>21.5 dB/K</td>
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<tr>
<td>G/T (20 deg elevation angle) Enhanced Power</td>
<td>16.7 dB/K</td>
<td>19.5 dB/K</td>
<td>NA</td>
</tr>
<tr>
<td>EIRP P1dB Low Power</td>
<td>50.3 dBW</td>
<td>54.5 dBW</td>
<td>58.4 dBW</td>
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<tr>
<td>EIRP P1dB Enhanced Power</td>
<td>54.4 dBW</td>
<td>58.6 dBW</td>
<td>NA</td>
</tr>
<tr>
<td>Receive Frequencies (GHz)</td>
<td>7.25-7.75</td>
<td>10.70-12.75</td>
<td>19.2-21.2</td>
</tr>
<tr>
<td>Transmit Frequencies (GHz)</td>
<td>7.90-8.40</td>
<td>13.75-14.50</td>
<td>29.0-31.0</td>
</tr>
<tr>
<td>Certifications Low Power RT's</td>
<td>WGS</td>
<td>IntelSat Flex</td>
<td>WGS</td>
</tr>
<tr>
<td>Power Input</td>
<td>85-265 VAC, 47-440 HZ, 10-36 VDC</td>
<td></td>
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<tr>
<td>Approximate Battery Runtime</td>
<td>&gt;2 hours of run time from a single BB-2590</td>
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</table>

Modem Options

- iDirect 950mp
- ND SATCOM Skyvan 5G
- Comtech 1050TS, 840B
- L3 Linkabit MPM 2500
- TM Acquisition Wizard
- ViaSat CBM-400 (LinkWay and EBEM modes)

Case 1 = Pedestal and antenna petals = 70lbs maximum
Case 2 = Electronics = 35lbs maximum
IATA compliant for checked baggage
Available in grey, desert tan or OD green

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