

Designed for The Operator...
The Lightest Most Agile SATCOM Solutions in the World.

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

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Features and Specifications

	<u>X-Band</u>	<u>Ku-Band</u>	<u>Ka-Band</u>
G/T (20 deg elevation angle) Low Power	16.7 dB/K	19.5 dB/K	21.5 dB/K
G/T (20 deg elevation angle) Enhanced Power	16.7 dB/K	19.5 dB/K	NA
EIRP P1dB Low Power	50.3 dBW	54.5 dBW	58.4 dBW
EIRP P1dB Enhanced Power	54.4 dBW	58.6 dBW	NA
Receive Frequencies (GHz)	7.25-7.75	10.70-12.75	19.2-21.2
Transmit Frequencies (GHz)	7.90-8.40	13.75-14.50	29.0-31.0
Certifications Low Power RTs	WGS	IntelSat Flex	WGS
Power Input	85-265 VAC, 47-440 HZ, 10-36 VDC		
Approximate Battery Runtime	>2 hours of run time from a single BB-2590		



Modem Options

iDirect 950mp
 Comtech 1050TS, 840B
 TM Acquisition Wizard
 ViaSat CBM-400 (LinkWay and EBEM modes)

ND SATCOM Skywan 5G
 L3 Linkabit MPM 2500



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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