TAMPA MICROWAVE™
A THALES COMPANY

Connecting heroes - Protecting lives

RAIDER 130cm Flyaway Satellite Terminal



Tampa Microwave's Raider 130 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, and Ka-bands). The Raider 130 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 Raider 130 can operate greater than 2 hours from a single BB-2590 battery.

Operating without fans, the Radier 130 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, 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
- Auto-Acquire upgrade kit (optional)

TM-PSB-TM130 Rev. I

www.tampamicrowave.com
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Data contained within this document is a summary and subject to change at any time at Tampa Microwave's discretion.

Features and Specifications

	X-Band	Ku-Band	Ka-Band
G/T 20° Elevation Angle	16.6 dB/K	20.6 dB/K	22.7 dB/K
EIRP	48.5 dBW P_{max}	54.3 dBW P_{1dB}	61.1 dBW P_{max}
Operating Frequencies	Uplink: 7.9-8.4 GHz Downlink: 7.25-7.75 GHz	Uplink: 13.75-14.5 GHz Downlink: LNB1: 10.95-11.75 GHz LNB2: 11.75-12.75 GHz	Uplink (MIL): 30.0-31.0 GHz Downlink (MIL): 20.2-21.2 GHz Uplink (Comm): 29.0-30.0 GHz Downlink (Comm): 19.2-20.2 GHz
Power Input	85-265 VAC, 47-440 HZ, 10-36 VDC		
Optional Battery Run-time: Battery Backup (BBU)/recharger	Runtime is 3.5 hours using (4) BB-2590's with iDirect 950mp. Up to 10 hours when using Keyline feature.		

Certifications

- WGS
- Intelsat FLEX (Ku-Band)
- Avanti (Ka-Band)
- SkyNet
- Inmarsat GX (Ka-Band)

Registered

- GovSat (X and Ka-Band)

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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

Modem Options

iDirect 950mp	ViaSat CBM-400
Comtech 1050TS	(LinkWay and EBEM modes)
TM Acquisition Wizard	Modem 21
	(External Option Available)



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