TAMPA MICROWAVE™
A THALES COMPANY

Connecting heroes - Protecting lives

RAIDER 65cm and 95cm Manpack Satellite Terminals



Tampa Microwave's line of Manpack terminals are specifically designed for the needs of the front line operators to meet expeditionary communication requirements. They are built to be air-dropped or jumped for operation in the World's most austere environments for extended periods. The terminals also offer several operational and logistical advantages over its competition:

Lightweight
Simple to Operate
Multi-Band
Battery Operated
MIL-SPEC Reliability

- **Compact design and packaging facilitates one person setup and operation**
- **Backpack fits in airline overhead compartment; transit hard case is airline checkable**
- **Auto-assist display provides setup in less than 10 minutes**
- **R/T, Modem and Power Supply Modules are common to all Tampa Microwave's terminals**
- **No tools or special equipment needed to setup or operate the terminals**
- **Modem agnostic**
- **Auto-Acquire upgrade kit (optional)**



65cm



95cm

TM-PSB-MP Rev. H

www.tampamicrowave.com
+1 (813) 855-2251

This document consists of basic marketing information that is not defined as technical data under EAR Part 772.
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
Weight without Transit Case	38.5 lbs (65cm) 47.2 lbs (95cm)	36.1 lbs (65cm) 45.1 lbs (95cm)	40.1 lbs (65cm) 48.6 lbs (95cm)
Power Input	85-265 VAC, 47-440 HZ, 10-36 VDC		
Approximate Optional Battery Run-time BBU/recharger	Runtime is 3.5 hours using (4) BB-2590's with iDirect 950mp. Up to 10 hours using Key line feature.		
Operating Frequency	Uplink: 7.90-8.40 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): 30.0-31.0GHz Downlink (MIL): 20.2-21.2 GHz Uplink (Comm): 29.0-30.0 GHZ Downlink (Comm): 19.2-20.2 GHz
G/T 20° Elevation Angle	65cm: 11.4 dB/K 95cm: 14.9 dB/K	65cm: 14.2 dB/K 95cm: 17.4 dB/K	65cm: 16.8 dB/K 95cm: 20.2 dB/K
EIRP	65cm: 44.8 dBW P_{max} 95cm: 47.2 dBW P_{max}	65cm: 46.3 dBW P_{1dB} 95cm: 52.2 dBW P_{1dB}	65cm: 55.9 dBW P_{max} 95cm: 59.1 dBW P_{max}

Certifications

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

Registered

- GovSat (X and Ka-Band)



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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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