

Connecting heroes - Protecting lives

Tampa Microwave Manpack Satellite Terminals



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

Tampa Microwave's line of Manpack terminals are specifically designed for the needs of the front line operators. 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:

- **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**



65cm

95cm

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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 Keyline 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
Comtech 1050TS

TM Acquisition Wizard
ViaSat CBM-400
(LinkWay and EBEM modes)



TM-PSB-MP Rev. G

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