

SATELLITE

Flat Panel Manpack



Manpack Terminal

The Manpack SATCOM Terminal operates in Ku-Band and it is highly portable in a compact form factor suitable for a variety of tactical operational scenarios and applications.

It delivers high performance and is designed to be ruggedized for harsh environmental operation scenarios and quick deployment.

Given its innovative design, the compact and lightweight terminal offers full baseband functionality. Deployment of the Manpack terminal is simple, with minimal assembly of detachable parts and antenna alignment is easily accomplished. Full deployment time is achievable within minutes for rapid deployment in hostile environment.

Key Features

- High efficiency planar array
- Highly compact and rugged
- Integrated encryptor (Info-assurance compliance)
- Integrated call manager (Call network ready)
- Assisted pointing (via GPS aided GUI)
- Built-in digital compass
- Built-in GPS
- Built-in Gyro tilt sensor
- Built-in Wi-Fi and Bluetooth

Technical Specifications

Performance

Antenna Type	High-efficiency planar array
Transmit Frequency	13.75GHz to 14.5GHz
Receive Frequency	10.95GHz to 12.75GHz
EIRP (min)	39 dBW
Rx G/T (min)	8 dB/K
Tx Gain	32 dBi
Antenna Elevation Range	30° to 90°
Polarisation	±90°
Deployment and Acquisition	<5min

Operating Condition

Operating Temperature	0°C to +51°C
Operating Humidity	95% RH
Operational Wind Speed	30km/hour
Storage Temperature	0°C to +71°C
Ingress Protection	IP65
Environmental Qualification	MILSPEC 810G

Dimension

Size	420L x 260W x 100H mm
Weight	10 Kg

Power Supply

Battery Life	Continues transmission <2 hrs
AC Supply	96VAC - 260VAC (Optional)
DC Supply	12VDC

Base Band

Integrated Modem	iDirect e950mp
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Monitoring and Interfaces

Data Line	MIL Standard Connector, WiFi, Bluetooth
Integrated Ecryptor	MIL Standard Connector
External AC / DC IN	MIL Standard Connector

Note: All specifications are subject to change without notice.

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