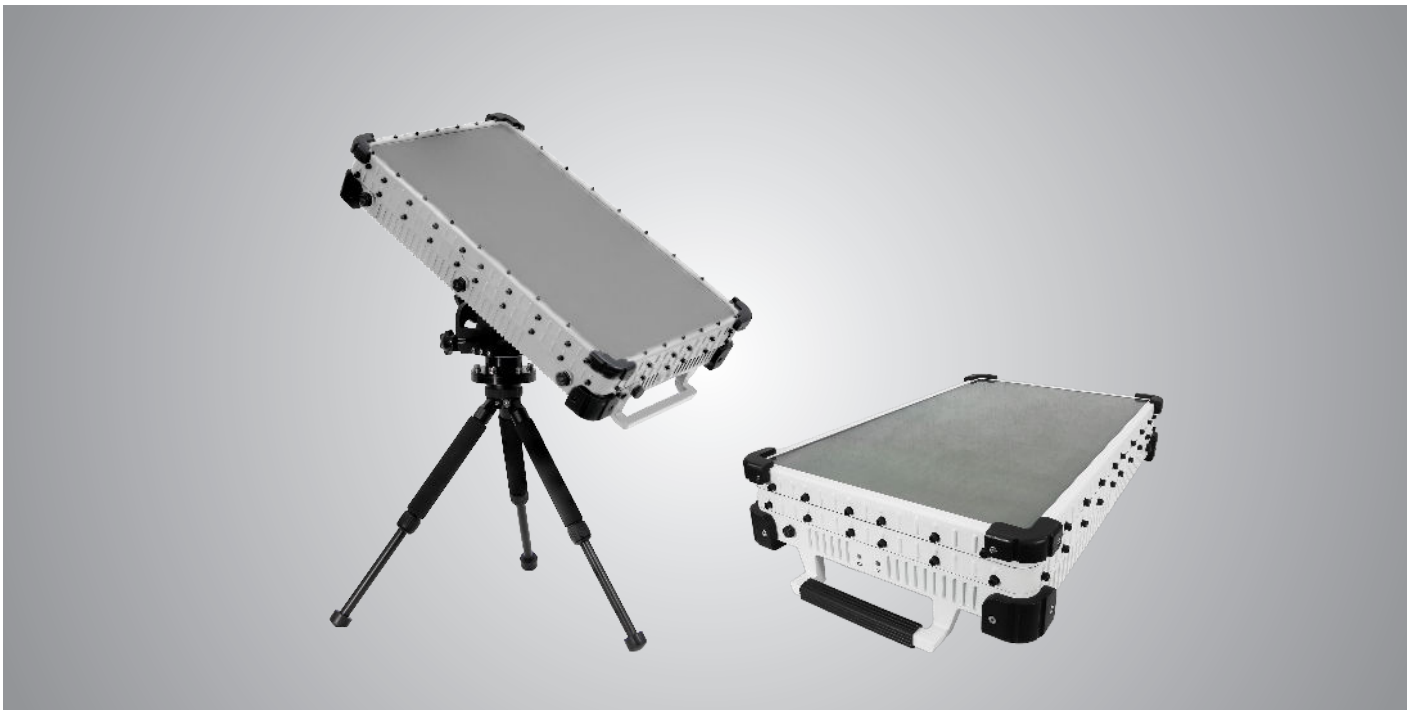
Product Fact Sheet

Flat Panel Manpack SATCOM



Manpack Terminal

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

It delivers outstanding high link availability and is designed to be ruggedised for harsh operating environments and rapid deployment.

Given its innovative design, the compact and lightweight terminal offers full baseband functionality. Deployment of the terminal is simple, with minimal assembly of parts and antenna alignment is easily accomplished. Full deployment and satellite acquistion is easily achievable within minutes.

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 Ethernet port

ST Engineering

Technical Specifications

Performance	
Antenna Type	High-efficiency planar array
Transmit Frequency	13.75GHz to 14.5GHz
Receive Frequency	10.95GHz to 12.75GHz
EIRP (Typ)	39 dBW
Rx G/T (Typ)	6 dB/K
Tx Gain (Typ)	32 dBi
Antenna Elevation Range	30° to 90°
Polarisation	±90°
Deployment and Acquisition	<5min

Operating Condition	
Operating Temperature	-32°C to +49°C
Operating Humidity	95% RH
Operational Wind Speed	30km/hour
Storage Temperature	-32°C to +71°C
Ingress Protection	IP67
Environmental Qualification	MIL-STD 810G

Dimension	
Size	455L x 276W x 103H mm
Weight	8 kg

Power Supply	
Battery Life	Continuous transmission (Less than 2 hours)
AC Supply	96VAC - 260VAC (Optional)
DC Supply	12VDC
Base Band	
Integrated Modem	iDirect 950mp or iQ200

Monitoring and Interfaces	
Data Line	MIL Standard Connector, WiFi, Ethernet
Connectivity	MIL Standard Connector
External DC IN	MIL Standard Connector

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