

# Starlight A600 Manpack Terminal



## Flexible SATCOM Terminal

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Starlight A600 Manpack Terminal is a highly flexible SATCOM terminal suited for operations in harsh environments. Equipped with a high performance parabolic antenna and designed for Tri-band operations across Ku and Ka Bands, the terminal is capable of accessing a variety of networks with its modular RF design and ability to support a range of modem platforms.

Highly portable and lightweight for its class, the terminal is quick and easy for operators to deploy with a full assisted pointing capability. Designed to MIL-STD810G, it is suited for deployments under robust conditions and remains highly reliable. It is a perfect fit for the Defence market for applications such as tactical communications, reconnaissance and critical communications support, and extends well to support first responders and for humanitarian and disaster relief operations.

Terminals are available in Standalone and Integrated configurations, fully equipped with a modular RF payload and supports a range of integrated modems. This enhances operational flexibility by allowing the terminal to operate under different networks with a common antenna hardware, thus maximizing commonality in hardware for ease of maintenance.

### Key Features

- High performance parabolic antenna
- Quick to setup in under 3min
- Intuitive assisted pointing interface
- Multi-mission with modular RF Payload
- Integrated modem

## Technical Specifications

### General Specifications

Configuration	Manpack terminal (Flyaway) Manual
Antenna Size	0.6m
Standard Regulation	ITU

### RF Specifications

Operating Band	Ka-Band	Ku-Band
Frequency	29 to 31 GHz (Tx) 19.2 to 20.2 GHz (Rx)	13.75 to 14.5 GHz (Tx) 10.7 to 12.75 GHz (Rx)
Gain	43 @ 30 GHz (Tx) 39.1 @ 20.2 GHz (Rx)	36.4 @ 14.5 GHz (Tx) 35.1 @ 12.5 GHz (Rx)
Typical System G/T @20deg	15.4 dB/K min.	13.5 dB/K min.
Feed and Polarisation	2-port Circular	2-port Linear
Cross Pol / Axial Ratio	1.5 dB	35 dB
EIRP Capability	52dBW min (10W)	44dBW min (6W)

### Mechanical Specifications

Carry Case	2 Field Bag
Travel Range Azimuth   Elevation   Polarization	360°   0° ~ 90°   180°
Weight	16kg

### Integrated Modem (Option)

Modem	iDirect 950MP   iQ200   SMB3315
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### Electrical Specifications

System Voltage / Frequency	24-48 VDC
Power Consumption	<150W

### Environmental Specifications

Operational Temperature	-20°C to 55°C
Humidity	100%
Protection	IP65
Wind Loading Operational	< 13m/s with ballast
Wind Loading Survival	< 18m/s with ballast

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