



Manpack Terminal Extended, Ku Band

13.75-14.8GHz 43 dBw EIRP, 16 watts RF Power



Order Examples: RSAT-MP-TERM-E-Ku-13.75-14.8-16W-(43dBw EIRP) -g11

Description: (Manpack Terminal Extended, Ku Band, 10.7-12.75GHz, 16 watts RF Power) (43dBw EIRP)

Features

- High performance flat panel antenna. Extremely compact and rugged
- Optimal size, weight and power
- Built-in Tx & Rx Rejection Filter
- Intelligent power management System (iPMS)
- Built-in GPS & 4.5inch LCD touch screen with simple GUI
- Built-in Compass
- Supports external wide range AC & DC supply
- Compact packaging for easy transport
- MIL-STD-810F Compliance & weather-proof IP65
- Optional manual battery charging in the field

Manpack Terminal Ku Band is custom high reliability, superior innovation and choice for users. This terminal is highly suited for operations in harsh environmental conditions.

Prolonging operation hours with Intelligent Power Management System (iPMS) leading to one of the world's longest operating time Manpack terminal.

- This extended Ku Band (13.75Ghz to 14.8GHz) Manpack terminal is the smallest of its kind in today's emerging market measuring only 500L x 300W x 170H mm and weighs 10kg.
- It features a GPS aided GUI system that helps avoid reconfiguration of the modem when deployment location changes
- An intelligent sensor system that gives real-time feedback of the antenna look angle through a built-in wide LCD screen, allowing even technical personnel to perform antenna alignment easily.
- Full deployment can be completed in less than 10 minutes which is a rapid deployment in hostile environment.

ManPack Antenna, Ku Band, 10.7-12.75GHz 43 dBw, 16 watts RF Power

Technical Specifications

| Performance | |
|--------------------------------|--|
| Antenna type | High-efficiency planar array |
| Transmit Frequency | 13.75GHz to 14.8GHz |
| Receive frequency | 10.7GHz to 12.75GHz |
| EIRP (typ) | 43 dBW |
| Rx G/T | 11.5 dB/K |
| BUC RF Power (Max) | 16 Watt |
| Tx Gain | 32 dBi |
| Tx / Rx Isolation | 85 dB |
| Cross pole Isolation (On-Axis) | 35 dB |
| Antenna positioning | Assisted manual pointing vis GPS aided GUI |
| Antenna Azimuth Range | ±45 Deg |
| Antenna Elevation Range | 5 Deg to 90 Deg |
| Polarisation | ±90 Deg |
| Deployment and acquisition | <10min |
| Operational Condition | |
| Operating temp | -30degC to +60degC |
| Operating humidity | 95% RH, 48hr x 5cycle |
| Operational wind speed | 50km/hour |
| Storage Temperature | -40degC to +71degC |
| Ingress Protection | IP65 |
| Dimension | |
| Size | 500L x 300W x 170H mm |
| Weight | <10kg |
| Power Supply | |
| Battery life | Continues transmission <2 hrs (with iPMS enabled < 4hrs) |
| AC supply | 96VAC ~ 260VAC |
| DC supply | 24VDC |
| Base Band | |
| Integrated modem | iDirect e850mp |
| Monitoring and Interfaces | |
| VoIP | RJ 45 SOCKET (Codec G.729A / G.723.1 / G.711) |
| Video and Data Line | RJ 45 SOCKET |
| Radio Gateway | RJ 45 SOCKET |
| External Ecryptor | RJ 45 SOCKET |
| External AC / DC IN | 3P MIL STD CON |