SATRAD iSeries GoKit

Succeed. Anywhere.

GoKit Features

SATRAD GoKits provide many options and features including:

- IP67 enclosure
- Hot swap battery pack capability
- Compatible with SATRAD Battery Packs
- Handset with illuminated LCD display
- Integrated 10-Watt amplifier with speaker
- AC power supply
- Integrated radio capability
- Compact size
- Light weight

Network Innovations' SATRAD GoKits bring communications to places where traditional landlines are expensive, unavailable or susceptible to natural and man-made events.

The communications backhaul utilises a portable L-band solution with a compact antenna. L-band is one of the frequencies least susceptible to weather, an important consideration when setting up communications infrastructure suitable for disaster or maritime applications.

SATRAD iSeries GoKits are available with or without radios. Customers may supply appropr iat e programmed radios for integration. Radio integration may require engineering resources.

Substantially Smaller and Lightweight

- Less than half the weight of a typical Pelican 1600 based kit at only 8.2 Kg / 18 lb it is much easier to carry / deploy
- When compared to a Pelican 1600 based kit, the SATRAD iSeries GoKit is almost half as large - easier to carry, requires less space to store

Applications

- Unattended radio repeater to provide cost effective radio coverage for search and rescue operations
- Portable kit for emergency deployment when terrestrial infrastructure has become unavailable / damaged
- Temporary communications hub for rapid temporary deployment

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SATRAD

Description / Specification

Weight	8.2 Kg (18 lb) (including radio) configuration dependent
Dimensions	L 503 mm x W 406mm x H 193mm L 19.8" x W 16" x H 7.6"
Environmental	IP67 (Dust proof / Water proof)
Latches	Power Claw latching system
Purge Valve	Nylon 66	Gore® membrane	Silicone washers
Pins / Hardware	304 stainless steel
Control Head	Integrated control head 10 W amplifier and volume control
Speaker	Integrated 102 mm (4 inch) powerful speaker
Power Supply	Model dependent -available either an integrated 150 Watt supply or as a separate module AC 100 - 240 VAC 50 - 60 Hz
Handset	Ergonomic handset with built-in display, includes large PTT actuator
Power Consumption	Matrix iSeries (idle) 400 ma TK8302 - (idle) 400 ma - (receiving) 1 A - transmitting (configuration dependent)
Representative Battery Pack Powered Operating Time	with the nominal configuration using the TK8302 and a SATRAD Battery Pack, a representative operating time could be 24 hours when passing 550 typical (10 second) voice messages equally distributed between receive and transmit
Battery Support	• Supports SATRAD Battery Pack • Dual DC power connectors support hot swap of battery packs
Connectors	2 X DC power input / output 1 X EIA connector for optional integrated battery charger 1 X BNC connector for external radio antenna
Recommendation	For unattended deployment, daytime charging of battery pack(s) via a solar panel is recommended

Optional Cables:

SATRAD_BP_DCP - DC power cable connects battery pack to SATRAD GoKit

SATRAD_BP_DCV - DC power cable connects battery pack to 12 volt automobile power outlet

SATRAD_BP_DCD - DC power cable for daisy chaining multiple battery packs

SATRAD_BP_DCA - DC power cable with alligator clips for connection to an external battery

SATRAD_BP_DCF - DC power cable with unterminated ends for use with user supplied power source

SATRAD_BP_ACB - AC Power Cable IEC to Type B NEMA 5-15-P (North America)

SATRAD_BP_ACF - AC Power Cable IEC to Type F CEE 7/7 (European Standard)

SATRAD_BP_ACG - AC Power Cable IEC to Type G (British Standard)

SATRAD_BP_ACI - AC Power Cable IEC to Type I AS/NZS 3112 (Australia, New Zealand, etc)

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