



Star



Full Mesh



Multi-Star



Hybrid



ND SATCOM

SKYWAN PORTABLE TERMINAL SPT 600 M

The lightweight SKYWAN Portable Terminal is a compact, integrated VSAT and modem solution facilitating rapid deployment of high throughput any to any connectivity across SKYWAN enabled networks.

Extremely rugged, portable and fully integrated, the SKYWAN Portable Terminal is the only unit of its type without any loose parts. The terminal can be comfortably carried in a rucksack across rough terrain and checked in as airline baggage. The SKYWAN Portable Terminal antenna is exceptionally easy to use, has a high gain, is multi-band, and can acquire and be deployed on any satellite by utilising a user friendly GUI. The unit can be out of its bag and operating live in three minutes.

The SKYWAN Portable Terminal may take the role of the hub in an All-Portable network. Star or mesh.

So, for the ultimate in portability, reliability and agile connectivity the SKYWAN Portable Terminal is second to none.

BENEFITS

- Flexible and easy to use
- Ultraportable
- Intelligent
- Ruggedised

KEY FEATURES

- Integrated SKYWAN 5G modem
- Integrated 16W Ku-band amplifier
- High performance 60 cm parabolic antenna
- Reliable in extreme environmental conditions
- Backpack/bag transportable
- Fine adjustment $\pm 10^\circ$ in Az/EI
- Assisted, fast acquisition via SKYWAN TDMA carrier system and GUI
- Wide-range DC and AC power supply
- ITAR Free

APPLICATIONS

ND SatCom's SKYWAN Portable Terminal solution enables remote field personnel to establish connectivity to the Internet, public telephone network and secure corporate networks in a matter of minutes.

The SKYWAN Portable Terminal was designed for organisations that need fast, reliable and ultra-portable network access for - but not exclusively:

- Emergency Response/Disaster Management Communication Services

- Border Control and Surveillance Applications
- Temporary Field Locations
- Mobile Telemedicine Applications
- Special Events

OPTIONS

- Softbag / Rucksack / Hardcase
- white or NATO green chassis
- Ka- and X-band

TECHNICAL SPECIFICATIONS – SPT 600 M

Ku-BAND

Operating Band	Tx: 13.75 GHz to 14.5 GHz Rx: 10.95 GHz to 12.75 GHz ^①
Antenna	60 cm Folding Parabolic
EIRP(SAT)	47.5 dBW @ 14.15 GHz
G/T	12.7 dB/K @ 11.7 GHz
Transmit Gain	35 dBi (with 16W BUC)
Polarisation	Linear (H/V) Rx orthogonal to Tx

PHYSICAL

Packaging	Single IATA compliant case
Weight	< 19.5 Kg, ready to transmit
Dimensions	680 mm (L) x 360 mm (W) x 294 mm (H)

ENVIRONMENTAL

Temperature Range	Operational: -20 to +55°C (excl. solar radiation) Storage: -40 to +80°C
Wind Loading	Operational: 50km/hr (70km/hr gusting), survival: 100km/hr
IP Specification	IP55
Power	90 - 264VAC (47 - 63Hz) or 11.5 - 36VDC, 350W (typ.), power cables included

^① Standard LNBS for Low-Band: 10.95 - 11.70GHz /
Mid-Band: 11.70 - 12.20GHz / High-Band: 12.25 - 12.75GHz



INTERFACES

Ethernet	10/100/1000, RJ45, to SKYWAN 5G 10/100 Base-T, RJ45, to ACU and SKYWAN 5G
L-Band	Modem IF Output, N-Type BUC Input, N-Type Receive Monitor Output, N-Type

ACU CONTROL INTERFACE

3.5" Digital TFT-LCD 640 x 480 Display

Graphical User Interface

Two Button Control

Web Browser Setup

SKYWAN MODEM 5G

All SKYWAN 5G features (MF-TDMA) are supported.
For more detailed specifications of SKYWAN 5G,
refer to the dedicated datasheet.

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