



INSTALLING
RELIABILITY



Star



Full Mesh



Multi-Star



Hybrid

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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 and checked in as an airline carry-on bag.

The SKYWAN Portable Terminal antenna is exceptionally easy to use, has a high gain and can 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.

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

KEY FEATURES

- Integrated SKYWAN 5G modem
- Integrated Ku-Band amplifier
- Integrated GPS, inclinometer and compass
- High performance 60 cm folding parabolic antenna
- Reliable in extreme environmental conditions
- Wide-range DC and AC power supply
- Fast pointing and peaking using GUI and TDMA carrier system
- ITAR Free

BENEFITS

- Easy to use
- Ultraportable
- No removable parts
- Ready to deploy
- Beacon-less pointing with network validation
- Ruggedised



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 ultraportable 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
- Ka- and X-Band terminal
- White or NATO green chassis

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
Antenna	60 cm Folding Parabolic
EIRP(SAT)	50.4 dBW@14.15 GHz
G/T	14.4 dB/K@11.85 GHz
Transmit Gain	36.4 dBi
Receive Gain	34.8 dBi
RF Options	25W BUC (P1dB = 44 dBm), Low-/Mid-/High-Band LNB ¹
Polarisation	Linear (H/V), Rx orthogonal to Tx

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

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	50 km/h (operational), 70 km/h (gusting), 100 km/h (survival)
Ingress Protection	IP55
Power	90 – 260 V AC (47 – 63 Hz) or 11 – 36 V DC, AC and DC cables included
Power Consumption	250 W (typ.)
Altitude	3,000 m@-10 °C (operational), 5,000 m@-30 °C (non-operating)



CONTROL INTERFACE

Local Control	3.5" TFT-LCD 640 x 480, Graphical User Interface, Two Button Control
Remote Control	Web Browser Setup, WebGui for SKYWAN 5G and ACU

INTERFACES

Ethernet	10/100/1,000, RJ45, to SKYWAN 5G, 10/100 Base-T, RJ45, to ACU and SKYWAN 5G
L-Band	SKYWAN 5G TX-OUT, N-Type, BUC Input, N-Type, Receive Monitor Output, N-Type

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