

SatPack L-BAND

Intuitive antenna pointing support – no complicated training required.

Possible network topologies:
Star/Hybrid/Full mesh
and P2P connection.

Ready to work in less than 10 minutes.

Low weight –
less than 19 kg
with 1 m dish.

Comes with
dedicated backpack
or hard case.

Lightweight, compact, and cost-effective manpack terminal providing various system topologies with only a few cabling connections. Modular design allows the use of terminal as a complete VSAT system and as a RF L-Band interface for modem of the customer's choice.

Advantages:

- Modular construction, IP65 rating.



- Different RF options: X, Ku.



- Local GUI for terminal monitor and control.

- Single- or Dual-modem solution: built-in modems of the customer's choice.

- Optional DVB-S2 receiver.

- Possible to have only RF part with pointing assistance, to connect modem of the customer's choice via L-Band.

Power:

- Capable to supply from: AC (mains), DC, BB-2590 batteries.



- If BB-2590 batteries provided – power supply acts as UPS, providing uninterrupted satellite connectivity.

SatPack L-BAND technical specification

Modules

RF module	Interchangeable	X-Band
		Ku-Band
Antenna dish	Aperture	60 cm
		80 cm
		100 cm
Modem module	Supported modems	ND Satcom 5G mini
		Teledyne Paradise Datacom Q-Lite
	Features	Antenna pointing assistance
		Built-in GPS receiver Optional DVB-S2 receiver
Power supply	AC (mains)	80 – 240 VAC, 45 – 63 Hz
	DC	12 – 36 V
	Battery	BB-2590 with charging option

RF module parameters

	X	Ku
Transmit frequency	7.90 GHz to 8.40 GHz	13.75 GHz to 14.50 GHz
Receive frequency	7.25 GHz to 7.75 GHz	10.70 GHz to 12.75 GHz
Polarization type	RCP / LCP	Linear
Polarization adjustment	Manual	Manual
BUC options	5 W, 10 W, 15 W	6 W, 8 W, 12 W, 16 W

Antenna parameters

Antenna gain vs. Antenna size	X-Band		Ku-Band	
	Tx	Rx	Tx	Rx
60 cm	32.7 dBi	32.0 dBi	37.0 dBi	35.5 dBi
80 cm	35.1 dBi	34.6 dBi	39.5 dBi	38.1 dBi
100 cm	37.0 dBi	36.4 dBi	41.2 dBi	40.0 dBi

Mechanical parameters

Tripod head type	Manual
Azimuth range	±180°
Elevation range	0° to 90°
System weight	Less than 19 kg (1 m dish)

Environmental

Standard compliance	MIL-STD 810, MIL-STD 461
Operating temperature range	-30 °C to 50 °C (-22 °F to 122 °F)
Storage temperature range	-40 °C to 60 °C (-40 °F to 140 °F)
Operational wind speed	45 km/h (28 mph)
IP rating	IP65

