

SatPack COBALT

Intuitive antenna pointing support - no complicated training required.

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

Military-grade design - reliable construction
in every conditions, IP67 rating.

Low weight -
less than 20 kg
with 1 m dish.

Comes with
dedicated backpack
or hard case.

Innovative, portable, and fully modular VSAT system created to support customer's most demanding applications, taking SatCom beyond just basic connectivity.

Flexible design allows the terminal to be adapted to end-user's specific needs, ensuring its timeless quality and reliability.

Modules:

- Different modem options: for TDMA and SCPC operation.



- Different RF options: X, Ku, Ka*.



- Easy to swap modules in field environment (tool-less).



- Fully configurable according to customer needs.
- Ready to work in less than 5 minutes.
- Local GUI for terminal monitor and control.

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 COBALT technical specification

Modules

RF module	Interchangeable	X-Band
		Ku-Band
		Ka-Band*
Antenna dish	Aperture	60 cm
		80 cm
		100 cm
		130 cm
Modem module	Supported modems	ND Satcom 5G mini
		Teledyne Paradise Datacom Q-Lite
		SpaceBridge 7720
		iDirect IQ200, 950mp*
	Features	Antenna pointing assistance
Built-in GPS receiver		
Optional Beacon 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**	Ka*
Transmit frequency	7.90 GHz to 8.40 GHz	13.75 GHz to 14.50 GHz	27.50 GHz to 31.00 GHz Depending on the sub-band chosen
Receive frequency	7.25 GHz to 7.75 GHz	10.70 GHz to 12.75 GHz	17.20 GHz to 21.20 GHz Depending on the sub-band chosen
Polarization type	RCP / LCP	Linear	RCP / LCP
Polarization adjustment	Manual	Motorized	Manual
BUC options	5 W, 10 W, 15 W, 20 W	12 W, 16 W, 20 W , 40 W	10 W, 16 W

Antenna parameters

Antenna gain vs. Antenna size	X-Band		Ku-Band		Ka-Band	
	Tx	Rx	Tx	Rx	Tx	Rx
60 cm	32.7 dBi	32.0 dBi	37.0 dBi	35.5 dBi	43.0 dBi	40.0 dBi
80 cm	35.1 dBi	34.6 dBi	39.5 dBi	38.1 dBi	45.5 dBi	44.3 dBi
100 cm	37.0 dBi	36.4 dBi	41.2 dBi	40.0 dBi	47.5 dBi	44.3 dBi

Mechanical parameters

Tripod head type	Manual
Azimuth range	±180°
Elevation range	10° to 90°
System weight	Less than 20 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	IP67

* Coming soon

** Low-Ku option available upon request

