

# SatPack AUTOMATE

Automated system pointing based on Modem signal or satellite's Beacon signal.

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



Military-grade design – reliable construction in every condition, IP65 rating.

Low weight – less than 36 kg, with 1 m antenna.

Comes in two hard cases.

Compact, modular and fully automated multi-orbital VSAT terminal that ensures reliable link with LEO, MEO and GEO constellations. While used in paired-mode, provides seamless satellite handover. If utilized in single-mode, the satellite change is made in just a few seconds of communication break.

Thanks to the ability to utilize a high-power BUC and a 1.3 m antenna dish, the AutoMate is a ten-times-lighter alternative to traditional FlyAway systems.

## Advantages:

- Dedicated to use with GEO, MEO and LEO constellations.
- Multi band working options: X, Ku, Ka.
- Multi modem options.
- Easy to swap modules in field environment (tool-less).



- Ready to use in minutes, set up by a single operator.
- No supporting devices needed – built-in antenna pointing algorithm and intuitive GUI.



- Fully configurable according to customer needs.

## 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 AutoMate technical specification

## Modules

RF module	Interchangeable	X-, Ku-, Ka-Band
Antenna dish	Aperture	60 cm, 80 cm, 100 cm, 130 cm
Modem module	Supported modems	ND Satcom 5G mini
		iDirect IQ200, 950mp
		Teledyne Paradise Datacom Q-Lite
Features	Automated antenna pointing and tracking algorithms	
	Built-in Beacon receiver and GPS 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/Low-Ku	Ka
Transmit frequency	7.90 GHz to 8.40 GHz	13.75 GHz to 14.50 GHz 12.75 GHz to 13.25 GHz	27.50 GHz to 31.00 GHz Depending on chosen sub-band
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 chosen sub-band
Polarization type	RCP / LCP	Linear	RCP / LCP
Polarization adjustment	Manual	Motorized	Manual
BUC options	<b>20 W</b>	<b>20 W, 40W</b>	<b>20 W, 40 W</b>

## Mechanical parameters

Tripod head type	Motorized (azimuth and elevation)
System weight	Around 35 kg (depending on configuration)
Number of cases	2, with wheels

## Environmental

Standard compliance	MIL-STD 810
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)
Withstand wind speed	80 km/h (50 mph)
IP rating	IP65



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