GISS
Global Infrastructure & Security Solutions

SatPack COBALT extension
ONYX

Unique, flexible extension dedicated to the SatPack COBALT line terminals, allowing connection of any satellite modem using an L-Band interface, while maintaining the functionality of antenna pointing support. Thanks to its small size and low weight, the ONYX extension becomes a handy device that guarantees high flexibility and reliable communication in any tactical situation.

Ability to connect any modem using an L-Band interface.

When used with the TacNet400 series, there is the possibility of creating an independent command post.

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

Advantages:

- Cooperates with any RF module of the SatPack COBALT terminal (bands: X, Ku, Ka).

- When used with the TacNet400 series, there is the possibility of creating an independent command post.

- Power delivery to the RF part of the terminal.

- Possibility of using the power supply delivered with SatPack COBALT or equipe with an individual AC or Ultra power supply.

- Ability to monitor key RFT and LNB parameters (modem parameters available when used with TacNet400S).

Pointing support:

- Built-in intuitive antenna pointing assistance (using the satellite's Beacon signal or DVB-S signal).

- When used in conjunction with TacNet400S: additional functionality of pointing using the modem's Master station signal.

- Implemented functionality of a database of satellites predefined by the user.

- Rx path monitoring option.

- Built-in GPS receiver with the option of manually entering coordinates.

ONYX – technical specification

Functionalities

Standard	Compatible with the SatPack COBALT family
	Antenna pointing assistance
	Built-in GPS receiver
	Built-in Beacon receiver
	Monitoring of RFT and LNB key parameters
	GUI languages: English, Polish, Ukrainian
Optional	Pointing assisatance: DVB-S receiver
	Pointing assisatance: Modem station's signal
	Built-in high-precision 10 MHz reference signal source
	Modem parameter monitoring (when paired with TacNet400S)
Power supply options	AC (mains)	80–240 VAC, 45–63 Hz
	DC	12–36 V
	Battery	BB-2590 with charging option

Mechanical parameters

Size	11.7 cm x 21.4 cm x 8.7 cm (4.61 in x 8.43 in x 3.43 in)
Weight	1.4 kg (3.1 lbs)

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)
IP rating	IP65
Mounting system	Tool-less, with latches

System topology:
Connect any satellite modem, whether ruggedized or not, using only the L-Band interface.