![GISS - Global Infrastructure & Security Solutions]

Antenna Modem Module
SMART
No-IDU

Antenna Modem Module is a ground-breaking solution that allows you to move away from the traditional IDU-ODU topology of FlyAway systems. If used in our SMART series terminals, it makes them more reliable, mobile, flexible and compact. The modem of the customer's choice integrated into an outdoor, military--grade chassis combined with tool-less installation on ACU makes No-IDU VSAT system fully functional with less overall power consumption.

Replaces huge and complicated conventional IDU system with one ODU module.

Introduces architecture of fully functional No-IDU FlyAway system.

Advantages:

- Possible integration of wide range of modems of the customer's choice.

- Allows for in-field environment installation on the top of ACU module (tool-less).

- Built-in Ethernet switch for modem management.

- Fiber-optic interface for long-distance connection to network devices.

- Built-in, intuitive modem alert indication system.

- Fully configurable via ACU by GISS and modem WEB interface.

- Speeds up assembly and disassembly process of VSAT terminal.

- Significantly decreases weight of the entire terminal and the number of cables and transport cases.

- Ensures reduction of overall power consumption of the whole VSAT.

Military-grade but lightweight and ergonomic design - reliable construction in all conditions, IP67 rating.

SMART No-IDU Antenna Modem Module technical specification

Key interfaces

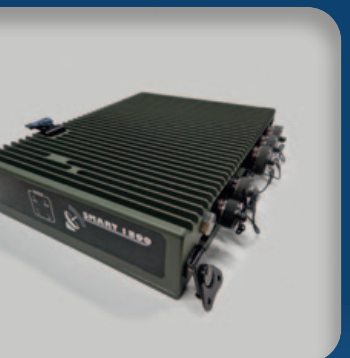|	
L-Band connectors	1x N-type connector for modem Tx
	1x N-type connector for modem Rx
M&C connectors	2x ETH for modem management
	1x ETH for ACU management
	1x FO for distant network modules connection
Other	1x SMA connector for 10 MHz delivery
	Connectors for communication with ACU & power delivery

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	IP67

Mechanical parameters

Size	35 cm x 27 cm x 7 cm (13.7 in x 10.6 in x 2.7 in)
Weight	4.2 kg
Mounting system	Tool-less, with latches

Electrical

Power input	24 VDC, from ACU or via external connector
Power consumption	30 W

Allows for in-field environment installation on the top of ACU module (tool-less).