

SATCOM Integrated Module (SIM)



Baseband Solution

The SATCOM Integrated Module (SIM) provides a one-stop integrated baseband solution to work with your preferred Very Small Aperture Terminal (VSAT). SIM is a small form factor compact module that is able to operate under harsh environment.

SIM provides seamless integrated common baseband blocks such as RF modules, modem, network switches and link accelerator. For integration to modem, SIM offers both internal integrated and externally interface modem options, ie. with integrated iDirect modem internally. SIM also offers a common managed service via the console port for ease of Satcom system setting, configuration and user interface for monitoring and control.

Key Applications

- Agnostic with Ku or Ka Band VSAT antennas
- Up to 50% SWaP savings over conventional setups
- Centralised management & control with GUI
- Layer 2 and Layer 3 networking
- Data logging for after-use analysis and optimisation
- Built-in test with alarm

Key Features

- Rapid on-demand Deployment
- Land, Air and Maritime vessels
- Offshore and Remote Communications

Technical Specifications

RF Performance	
Frequency	950 MHz - 2150 MHz
Attenuation	0 to 20 dB (0.5 dB/step)
LNB Switching	13V/18V DC & 22 kHz tone
External Reference	10 MHz or 50 MHz (auto sensing)

Baseband	
Management	Ethernet

Power	
Input Voltage	18V - 36V DC
Power Consumption	400W

Environmental	
Operational Temperature	-10° to 55°
Storage Temperature	-20° to 71°

System Size & Weight	
Weight	20kg
Dimension	Ø 415L x 300W x 215H mm