

Smartellite™ Fixed

Ku-band



Fixed installation Terminal for Satellite IoT Connectivity

hiSky's Smartellite™ Fixed Ku terminal is part of a unique line of satellite terminals that features innovative technology, enabling stationary operations for various applications in the IoT field.

The Smartellite™ Fixed Ku terminal is a low-cost, compact, single-unit satellite device.

The terminal comprises of patch antennas and a built-in modem, providing a mountable all-in-one solution, which independently & seamlessly directs communication over GEO satellites.

Our terminals are FCC & CE certified, lightweight, easy to mount, install, pair and operate, allowing any IoT/M2M and voice communication from anywhere.

This exceptional Low to Medium Data Rates ground terminal is a part of hiSky's agile IoT network, enabling IoT services according to our customer's applicational needs.

hiSky's agile IoT network, providing an easy-to-use, cloud-based platform, enables data backhaul for actionable insights from anywhere. The platform, managed by hiSky360 NMS, offers user-friendly, secure management of data within hiSky's private ecosystem.

Features

- > For fixed installation
- > Satellite IoT / M2M & Voice
- > Designed for Low to Medium Data Rates

Applications

hiSky's Smartellite™ network meets a growing demand for IoT connectivity across all remote industries:



Agriculture



Oil & Gas



Energy & Utilities



Remote Asset Monitoring



Smart Meters



Environmental Monitoring

Agile IoT Network

hiSky's open architecture enables easy integration with any device or application provider that suits your business needs, and integrates with any existing network to complement your coverage in all rural areas all over the world.

User-side Component:

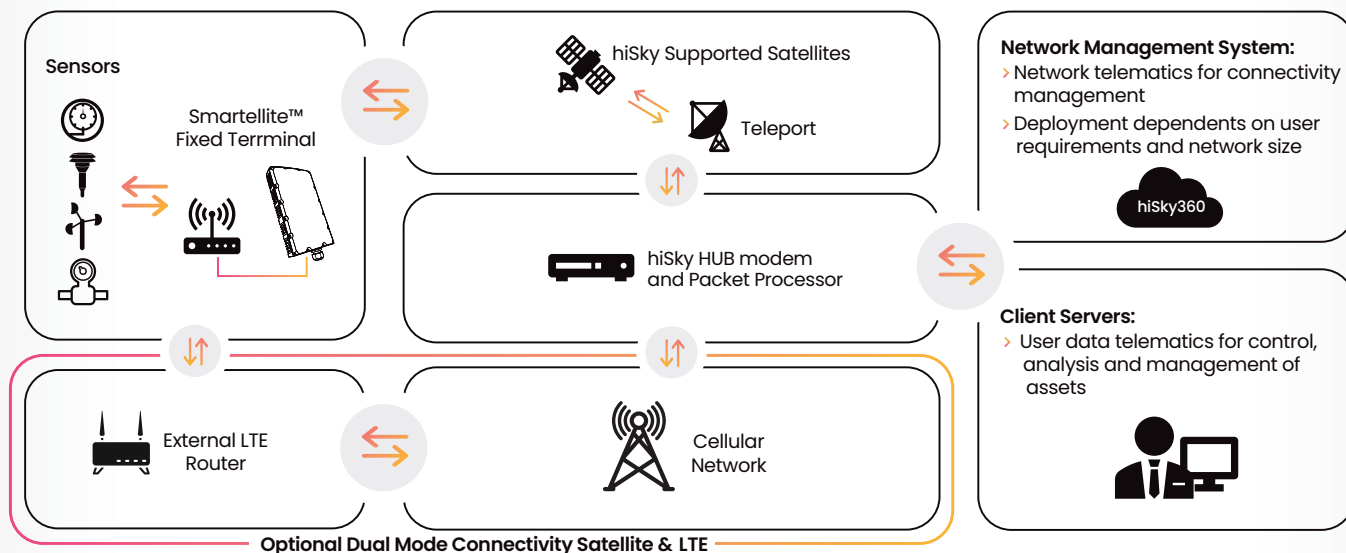
- > Terminals receiving data from the end-user device/application

Satellite Component:

- > Based on satellite provider and required operational coverage

Management Component:

- > Data routing divided into network management and applicational data



Specifications

Frequency range	TX: 13.75~14.5GHz RX: 10.7~12.75GHz
Data capabilities	Typical Data Burst Rates GEO: 7-100kbps
EIRP	22dBW
Gain	21dBi
Noise figure	3dB
Polarization for TX & RX	V/H
Dimensions H / W / D	45 / 300 / 180 mm 1.77 / 11.81 / 7.08 inches
Weight	2.3Kg/5.07lbs
User interface	1 LED
Certifications	CE, FCC

Modem Specifications

Modulations	BPSK, QPSK, 8PSK
FEC	1/3, 5/12, 1/2, 2/3
Sensitivity	EB/N0<1.5dB@1/3

Environmental Conditions

Operational Temperature	-20°C to +55°C / -4°F to +131°F
Dust and water ingress	IP67

Power

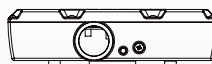
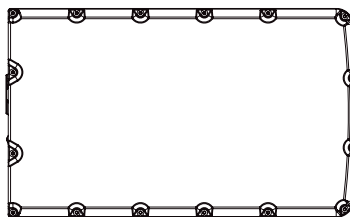
DC input range	POE - 56 VDC @ 0.9A
Power consumption (typical)	Standby: <8W, Tx & Rx: <30W

Interfaces

Circular connector 19 pin	Ethernet (POE)
Wireless	BLE, WiFi

Accessories

Plastic Gland
Pole/Wall mounting kit



hiskysat.com

