



Your IoT and M2M / SCADA Solution

hiSky's core technology lends itself to a range of IoT and M2M/SCADA applications for realtime connectivity and activities tracking.

Mobile

Small portable devices creates a WiFi hotspot even in the most remote locations, static or on-the-move.

AFFORDABLE

Cents per minute for voice / data and even lower for IoT.

CONVENIENT

Easily integrates with any IoT devices and fleet management system. Turns your smartphone into a Satphone.

Answering the challenges of remote IoT / M2M

The existing global terrestrial network currently provides coverage to a small area of the world. In answer to increasing demand for communication and IoT-data transmission from every part of the globe, hiSky provides advanced communication coverage for the remaining area. A growing number of industries, including transportation & logistics, automobile, telecommunications, oil & gas, mining, maritime,

energy & utilities, agriculture, fisheries, healthcare, as well as the governments and the public sector, have been quick to adopt IoT/M2M technologies. Today, it is common knowledge that use of satellite technologies provides better communication and data transmission, along with cost reductions.

Applications

- Fleet Management
- Connected cars
- ATM & PoS
- Agriculture
- Telecommunications
- Oil&Gas
- Energy & Utilities
- Maritime and Fisheries
- Healthcare
- Infrastructures & Logistics
- Civil - Government

hiSky's solutions connect to any IoT / M2M application, including sensor software, e-log systems and more. While the end user enjoys a simple, seamless connection, operators uses hiSky's solution to monitor and control all terminals, as well as generate impact analysis reports of ongoing operations and planned maintenance.



hiSky is a Satellite Virtual Network Operator (SVNO), offering quick easy connectivity, even in the most remote locations on land, at sea or in the air.

Smartellite Dynamic

The Smartellite dynamic includes a built-in, electronically steered, phased array antenna, which locates the satellite automatically in a matter of milliseconds, and a built-in modem designed for low-to-medium data rates and fast acquisition of satellite signals.

The Smartellite Dynamic enables seamless transitioning between satellites in the GEO and LEO constellation, voice and data connectivity are constantly maintained, even on the move.

Terminal band	Ku band *	Ka band
Data Rates GEO	Upto 400Kbps	4Kbps-30Kbps
Data Rates LEO	Upto 30Mbps	4Kbps-10Mbps
Transmit Antenna Frequency Range	13.75~14.5GHz	27.5GHz to 30GHz
Receive Antenna Frequency Range	10.7~12.2GHz	17.7Ghz to 20.2Ghz

*Under development



Smartellite Static

A small form-factor box that connects the subscriber's smartphone / IoT sensor / Tablet with the satellite network using a standard WiFi connection. The Smartellite Static includes an innovative Modem and Patch Antennas for communication with the satellite.

Terminal band	Ku band *	Ka band
Data Rates GEO	Upto 400Kbps	4Kbps-30Kbps
Transmit Antenna Frequency Range	13.75~14.5GHz	27.5GHz to 30GHz
Receive Antenna Frequency Range	10.7~12.2GHz	17.7Ghz to 20.2Ghz

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hiSky NMS

Network Management System

hiSky developed it's own unique network management system (NMS) with a network operation center and a 24/7 hour help desk. The NMS is active 24/7 and has an operations portal which allows interface through which authorized subscribers or re-sellers can monitor and administer the hiSky platform and its components. It provides the capability to flexibly filter elements as well as group them by devices deployed with a specific satellite provider, device type, firmware version, etc. The operations portal provides the link between platform resources and subscribers enabling impact analysis of ongoing operations and planned maintenance.

