



Next-generation Satellite IoT Connectivity for Emergency & Rescue services

One of the most valuable aspects of satellites is that they can provide services from space, even if terrestrial networks on the ground have been damaged or destroyed, or areas on the ground are blocked and unable to be surveyed. This makes satellite services uniquely reliable and an invaluable tool for emergency responders during disaster relief. It also aids humanitarian organizations and repair crews during disaster management and recovery.

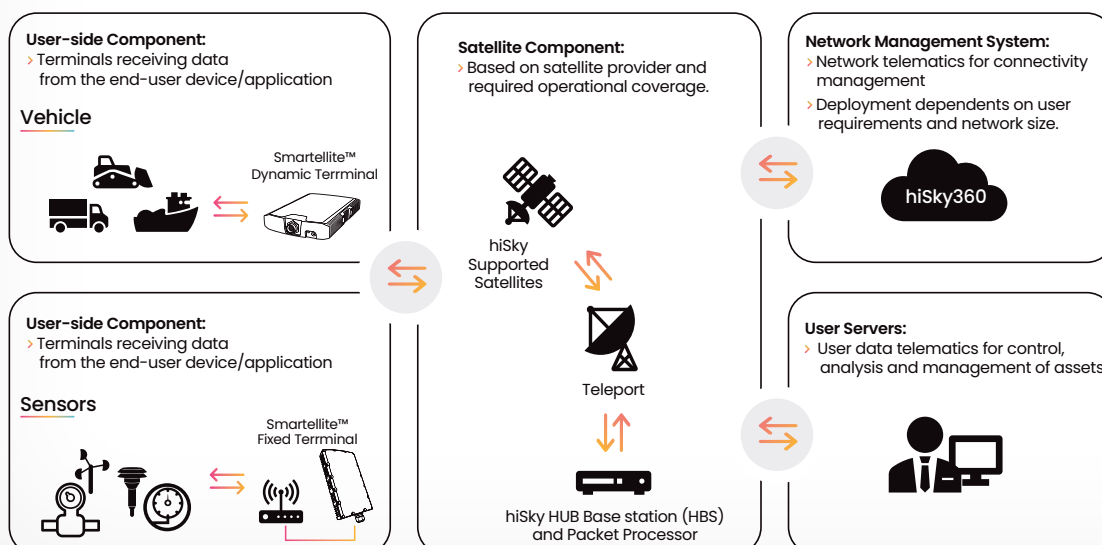
Meeting the industry's need for reliable, redundant, low-cost connectivity, for mass number of end-users in a given region, hiSky's unified network offering both IoT/M2M and voice communication has become an accessible, easy-to-use solution for emergency services everywhere.

Features

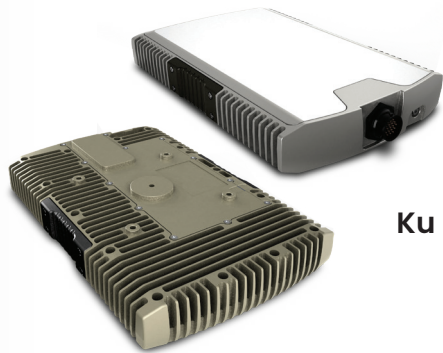
- › On-the-move communication.
- › Voice and chat from any smart device.
- › Full FMS services including routing, tracking, SOS alerts.
- › Full vehicle telemetry for predictive maintenance.
- › Allowing simultaneous mass network connectivity over Ka/Ku band.
- › Fully redundant system.
- › Fully private network offering "on-premises" deployment.
- › In-country deployment for regulatory compliance.

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 worldwide.



Smartellite™ Dynamic



Ku 8X8



Ka 8X8

Parameter	Ku 8X8	Ka 8X8
Transmit Frequency	13.75GHz – 14.5GHz	27.5GHz – 30GHz
Receive Frequency	10.7GHz – 12.75GHz	17.7GHz – 20.2GHz
Antenna Type	Electronically steered phased array	Electronically steered phased array
Scan Angles	-60° to 60°	-60° to 60°
EIRP @90°>	21dBW	20dBW
EIRP @30°>	17.5dBW	17.5dBW
Antenna Gain Rx & Tx@90°>	21dBi	20dBi
Antenna Gain Rx & Tx@30°>	17.5dBi	17.5dBi
Noise figure	3dB	3dB
Polarization for TX & RX	Linear H/V	Circular (R/L,R/R,L/R,L/L)
Communication Interfaces	Ethernet, WI-Fi, BLE, Serial	Ethernet, WI-Fi, BLE, Serial
Sleep power consumption	0.1W	0.1W
Idle power consumption	8W	8W
Rx only power consumption	18W	18W
Tx & Rx power consumption	40W	30W
Input Voltage Range	12 – 24VDC	12 – 24VDC
Operational Temperature	-20°C to +55°C *	-20°C to +55°C *
Dimensions (mm): H / W / D	42 / 286 / 187	42/ 244 / 141
Weight	2.2 Kg	1.4 Kg
Dust and water ingress	IP67	IP67
Vibration	SAE J1455	SAE J1455
Salt spray:	SAE J1455	SAE J1455
Certifications	CE, FCC	CE, FCC