



## Next-generation Satellite IoT Connectivity for Energy, Oil & Gas

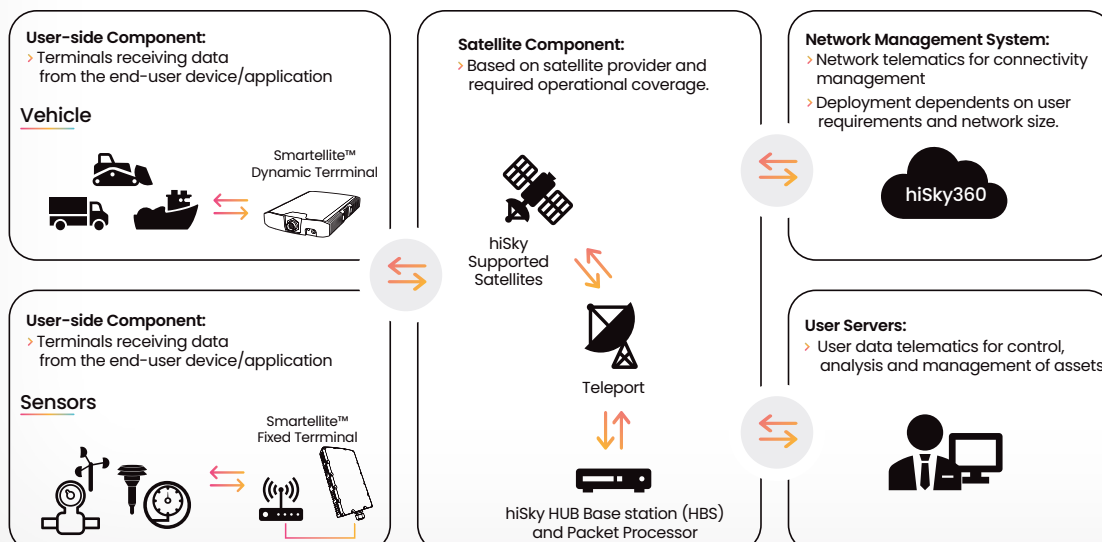
Adoption of IoT and IIoT (Industrial IoT) in the energy and fossil oil & gas industries increases yearly as their full potential for monitoring and control is recognized by organizations. hiSky's IoT network for satellite communication meets the emerging need for connectivity; answering the demand of IIoT for use with remote energy assets and infrastructure, such as offshore oil & gas platforms, pipeline monitoring and oil rig wells in rural locations.

### Features

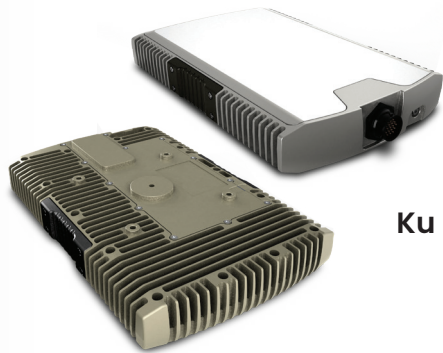
- > Real-time process monitoring for extraction and drilling.
- > Real-time acceleration and enhancement of seismic data acquisition analysis.
- > Real-time gathering of database information.
- > Centralized monitoring efforts for multiple remote unmanned sites.
- > Ruggedized robust terminals for challenging environments and extreme conditions.
- > Remote personnel voice calls and text messages via a dedicated smartphone app (Android & iPhone).

### 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