

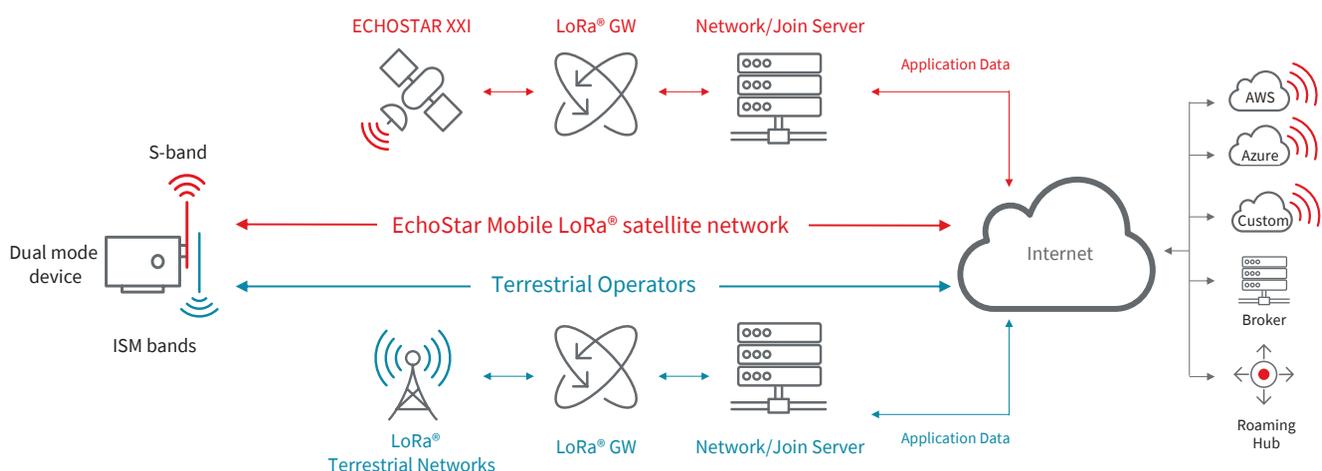
Unlock Massive IoT Everywhere Direct Sensor to Satellite

EchoStar Mobile LoRa[®] enabled Network

Our seamless coverage and LoRa[®] enabled network design ensure that users throughout Europe and the UK no longer need roaming agreements to achieve ubiquitous service continuity across geographic regions.

This makes it the ideal solution for customers with mobile applications and/or widely distributed sites.

Network overview



EM2050 OEM Module

Multi-band Module

The EM2050 OEM module is capable of transmitting LoRa®-FHSS / LoRa® signals and receiving LoRa® signals on both licensed 2GHz **satellite** spectrum (S-band) and **terrestrial** sub-GHz EU/US ISM bands.

Based on the Semtech radio chipset, the EM2050 includes all the RF components for operation on satellite S-Band and on LoRa® sub-GHz EU/US ISM bands, compliant to ETSI, UKCA, FCC and ISED regulations.

Features

- Class A device with secured safe storage
- Low Power Consumption
- Sleep mode, allows battery devices lasting for years
- Single CPU Multi-Region Protocol Stack Module
- Easy interface using AT-Commands over UART
- Real-time bi-directional communication

IoT Applications

- Asset track and trace
- Infrastructure monitoring (road, rail, bridges)
- Remote locations and low-density deployment
- Smart Agriculture
- Environment and utilities



Want to know more?

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About EchoStar: EchoStar Corporation (NASDAQ: SATS) is a premier global provider of satellite communication solutions. Headquartered in Englewood, Colo., and conducting business around the globe, EchoStar is a pioneer in secure communications technologies through its Hughes Network Systems and EchoStar Satellite Services business segments. For more information, visit [EchoStar.com](https://www.EchoStar.com). Follow @EchoStar on Twitter.