

Data Roaming

Ready for the future? Get Quality for IoT and Capacity for Roaming.

The exceptional situation we are living requires new priorities. With human-lead Roaming traffic down and IoT booming, it's time to adapt and favour quality. It's also important to plan ahead, and set the capacity ready for the comeback of international travel.

Our Data Roaming Service offers interconnection between mobile networks which enables Mobile

Network Operators (MNO) and IoT Providers to deliver worldwide data roaming with the highest levels of quality and security.

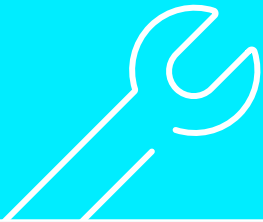
Through our service, IoT devices in roaming enjoy excellent latencies and mobile users can continue to enjoy the full benefits of their mobile devices when abroad like at home.



> Key Benefits

- > **Dedicated and redundant connection** to our Tier-1 network to transport GPRS and S8 data.
- > **Excellent collocated connectivity options in America and Europe Fully redundant connectivity in Singapore and Hong Kong** to access the Asian market. **Access to main Public Cloud Providers. Worldwide connectivity** options with local accesses.
- > **Implemented over our secure IPX network** which meets all GSMA requirements.
- > Supports data transmission requirements for **2G/3G (GPRS) roaming and 4G (LTE) roaming**.
- > **Short time to market, single contract and connection** to all Mobile Operators worldwide.
- > **End-to-end quality service** which can be tailored to specific needs and required security parameters.
- > **24/7 support and full monitoring** via our International Network Management Centre.
- > Option for guaranteed **Service Level Agreements (SLAs)**.
- > DNS service guaranteeing **total security** for customer communications.
- > **Extensive catalogue** of Value Added Services and services on-top of Data Roaming.

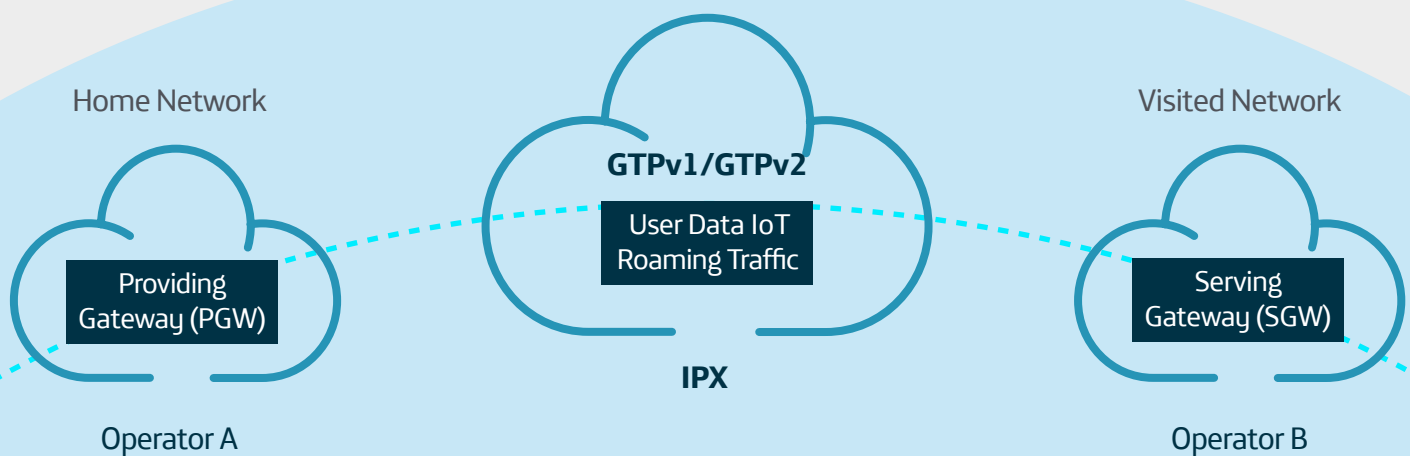
Service Features



Functionality according to the **standards set by the GSMA**.

- > **Online statistical reports** on both service use and tracking of quality parameters.
 - > **Quality of service and discard policies** which enable prioritization and guarantee the traffic for specified applications.
 - > **IP address assignment:** we have the required accreditation to provide public addresses.
- > **Simplicity:** you have the option to delegate service management to us, should you choose.
- > **Security** is assured by using VPNs and providing isolation from the Public Internet.
- The service is **flexible** and can be adapted to your needs.

> GPRS, 3G and LTE data roaming transport



How does the service work?

- > Data Roaming is the standardized service that enables **two Mobile Operators to exchange end-user data traffic in a roaming scenario**.
- > The Data Roaming services carry both 2G/3G user data traffic and **4G (LTE)** user data traffic in roaming scenarios.
- > In the case of 4G (LTE), the voice traffic generated and/or received by a user inroaming can be transported. This technique, known as VoLTE S8 Home Routed, or S8HR, is transparent to the IPX Provider, although the Carrier has to be enabled to provide the best quality.
- > IoT based on SIMs in Roaming also makes use of the previous capabilities to provide connectivity for their devices.
- > Data Roaming can also be referred to as **GPRS (2G/3G)**, **S8 (4G)** or **GRX**.

