

GLOBAL ACCESS FOR THINGS™

You Make Things, We Connect Them

With our global network capabilities and more than 20 years of experience in the field of empowering connections, we are your global operator of access for the connection of things.

iBASIS Global Access for Things™ is a global mobile connectivity and network level data analysis solution for things worldwide.

We are leading the industry in the use of next-generation eSIM/eUICC technology to provide a single global, remotely programmable SIM that provides mobile data connectivity to your smart devices all over the world.

GLOBAL MOBILE DATA ACCESS

Rather than negotiating contracts with multiple mobile operators around the world, Global Access for Things can be your single source for global mobile access and is capable of connecting your “things” to over 700 mobile networks worldwide!

Even if you had the knowledge and resources to negotiate mobile operator contracts on your own, you must then deal with the logistics problem of which SIM to install for each global delivery and how to replace SIMs in devices already in the field when operator relationships change. Global Access for Things solves this problem by implementing next-generation embedded SIM (eSIM).

MOBILE NETWORK SELECTION LOGIC

iBASIS Global Access for Things provides multiple access network choices and allows you to define network selection on those attributes that are important to your “things”.

Attributes such as cost per KB/MB, mobile technology (4G/3G/2G), network coverage and quality, usage thresholds, etc. can be specified.



KEY BENEFITS

Remotely programmable mobile network solution

Standards based eSIM/eUICC and Remote SIM Provisioning (RSP) technology

Single eSIM solution to eliminate mobile connectivity logistic issues

Open programmable and flexible with API interface at all levels

THING DATA CONTROL

Sophisticated traffic analysis engine which provides real-time identification and control of “thing” data

Configurable usage management and alerts, Allow/Block Source/Destination IP/URLs, Quality Control, data package enforcement (pre-paid/post-paid, zero-rated), etc.

Flexible and customizable packages for your things

ANALYTICS

Derive deeper insights into your data traffic

Get a simplified, actionable view with identification and reporting

BE THERE FIRST

Looking for a customized solution?

Talk to one of our specialists at info@iBASIS.net.

GLOBAL IP NETWORK

At the core of iBASIS' Global Access for Things is a global private IP Network that offers quality management with QoS guarantees for services including IP voice (VoLTE), IP video, and streaming media. The network provides the function of a mobile operator IP Exchange with flexible, adaptable, and scalable bandwidth with connections to over 900 operators and over 1100 networks. Our global IP network includes:

- Security—the private IP network is not directly assessable from the public Internet
- Multiservice Media—the network is designed to support a variety of services, such as voice, data, video, messaging, and signaling
- Guaranteed QoS—the network manages end-to-end quality by prioritizing real-time services from less sensitive traffic

REGIONAL NETWORK GATEWAY

IoTSPs configure their “things” to direct their thing data from iBASIS mobile operator partner networks to the iBASIS IoT network. Once in the iBASIS network, the routing path for thing data can be selected based on more sophisticated routing criteria such as media destination or type (e.g. streaming music to the music service and auto telemetry data to the OEM's application servers). Global Regional Network Gateways in the iBASIS network are an extension of the mobile core network and allow for regional breakout even in cases when data would normally exit in another country.

APPLICATION PROGRAMMING INTERFACE (API)

Developed as an open platform, the iBASIS Global Access for Things service allows you to integrate at the level you choose. iBASIS offers a RESTful, JSON based web services interface for IoT Service Providers (IoTSP) integrating to the Global Access for Things service.

The RESTful API allows IoTSP developers to control all Service functions from configuring sophisticated device data access rules all the way down to controlling the number of and activation of mobile operator credentials on an eSIM chip. Functions include Device Management, Information (e.g. location and usage), Provisioning, Data Processing behavior, Notifications, Reports, Billing Data, among others.

ABOUT iBASIS

iBASIS is the leading communications solutions provider enabling operators and digital players worldwide to perform and transform. Powered by Tofane Global, iBASIS is the first independent communications specialist, ranking third largest global wholesale voice operator and Top 3 LTE IPX vendor with 700+ LTE destinations. iBASIS today serves 1,000+ customers across 18 offices worldwide.

iBASIS provides the end-to-end Global Access for Things™ connectivity solution, delivering single source cellular IoT access (LTE, LTE-M and NB-IoT) worldwide provisioned through GSMA-standard eSIM/eUICC technology. The solution simplifies IoT device connection through one unified platform for seamless, remote, programmable, and secure communication. For more information, please visit iBASIS.com.

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