# iBASIS
## POWERED BY TOFANE

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# IPX HUB BREAK-OUT

Improve Customer Satisfaction by Increasing
Mobile Internet Performance

LTE data roaming standards require mobile data to be carried from the visited network to the home network in order to connect subscribers to the Internet and to other private networks and services. In many cases, depending on the distance and network paths traveled, the resulting network delay is unacceptable.

## MEETING THE DEMANDS OF THE DIGITAL CUSTOMER

For example, a 150 millisecond delay drastically affects the voice quality of a VoIP calling application, and delayed data for driving navigation applications can cause critical missed turns or accidents. For both consumer and IoT devices, distance-related network latency can be reduced by processing data closer to the device.

## HUB BREAK-OUT FOR INCREASED MOBILE INTERNET PERFORMANCE

iBASIS' Hub Break-Out (HBO) is an intelligent data routing solution which accommodates the standard path for data that must terminate on the home network, while providing the higher performance of local breakout whenever possible, enabling service providers to overcome network cost and delay.

## SERVICE SNAPSHOT

- Global deployment of gateway hubs at the edge of the iBASIS IPX network, performing role of a regional packet data network
- QoS implementation between subscriber and the HBO Gateway to define a specific treatment with network parameters
- Packet filtering and anti-spoofing features

## KEY BENEFITS

Efficient routing of roamer's regional traffic results in faster Internet response times and better end-user experience

Preserves premium IPX bandwidth by locally routing regional traffic

Provides capacity and functionality as needed with a virtual gateway that is scalable, partitionable and flexible

Globally deployed HBO gateways in more than 100 Countries provide Gigabit-level local Internet access

## BE THERE FIRST

Looking for a customized solution?

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

For more information, contact us at info@iBASIS.net or give us a call at +1 781 430 7500.

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- Overload and congestion management
- Load balancing
- Subscriber session management

## AVAILABLE OVER THE iBASIS IPX

The iBASIS IPX is a single "universal" multi-service IP interconnect for LTE signaling, S8/GRX, S8 Home Routed (S8HR), VoLTE, Premium Voice®, Voice over IPX (VoIPX), SMS, and SS7 signaling. It provides a robust platform for the development of new innovative mobile services.

The iBASIS IPX delivers high-quality voice and data services for fixed and mobile operators as well as ISPs, content providers, and other service providers. The network covers a growing global footprint that includes all active LTE and GSM mobile operators and provides high reliability, security and global reach through managed IP connectivity. Based on GSMA specifications, the network ensures high quality and security through physical and logical separation from the public Internet.

## ABOUT iBASIS

iBASIS is the leading communications solutions provider enabling operators and digital players worldwide to perform and transform. Powered by Tofane Global, iBASIS represents an estimated USD 1+ billion in annual revenue, is the third largest wholesale voice operator, ranks as the Top 3 LTE IPX vendor with 700+ LTE destinations and serves 1,000+ customers across 18 offices worldwide. iBASIS optimizes access, connectivity, and value-added solutions, so customers achieve high return on voice, mobile data, and IoT requirements to be first in their respective markets and in the digital era.

## CORPORATE HEADQUARTERS

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