

## iBasis GRX Service

Securing data roaming profits in mobile IP broadband

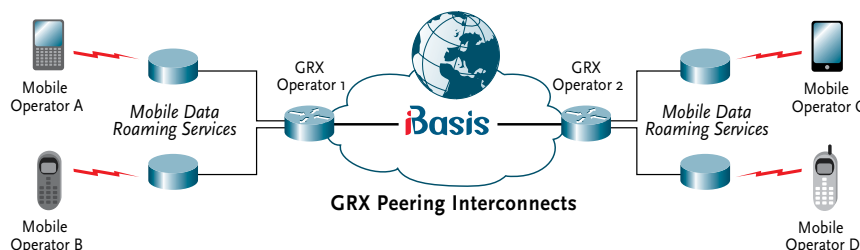


Consumers are increasingly expecting connectivity everywhere and all-the-time, driving mobile data traffic volumes to astronomical heights. The resulting bandwidth demand has made LTE the fastest-growing mobile technology ever. Falling international data wholesale prices are further accelerating this new paradigm. Are you ready? With the iBasis GRX service you will be. iBasis GRX Service prepares you for a data-centric future. Our advanced IP technology will help you maximize mobile data profits, and provide multiple paths to an all-IP LTE network, including moving to a full multi-service IPX.

### GRX: A Service Snapshot

At its core, the iBasis GRX service is a secure and scalable interconnect with more than 550 mobile operator data networks. But, we take it one step further. We assembled a comprehensive GRX solution, ready for multi-service IPX and LTE, supported by flexibility in both business models and implementation. The iBasis GRX service includes (but is not limited to):

- Secure, easy and scalable interconnect via leased line or IP VPN via Internet
- Reporting and performance management
- Root DNS service
- SLAs based on GSMA-recommended parameters
- Approximately 100 worldwide GRX PoPs through KPN International
- 24/7 Customer Support
- Standard off-the-shelf contracts
- After-sales GRX service management & consulting
- Integration within multiservice IPX for voice, signaling, data & messaging



Associate  
Member

The iBasis GRX is engineered in full compliance with all relevant GSMA standards and recommendations, including those for classes of service and security, hence the GSM Association has designated iBasis as a qualified GRX provider.

### Key Benefits

- Ensures internationally consistent high-speed mobile data experience for end-users, boosting LTE take-up
- Simplicity through a one-stop-shop for all your data roaming needs, technical and commercial
- Ensures mobile data roaming profitability by out-of-the-box cost of ownership efficiencies
- Future-proof investment due to clear evolution towards a full-service IPX and LTE

### GRX Connectivity Options

The iBasis GRX Service offers customers two options for connecting to our GRX: dedicated IP connectivity (leased line circuits), and secure VPN (IPsec) connectivity over public IP networks. Both connectivity options provide customers with high-availability, full resilience, physical path diversity (redundancy), local tail and long-haul IP transport, traffic balancing and load sharing (where applicable). The IP VPN access option is often used as backup access to a dedicated connection.

### A New Standard in Quality

iBasis offers a standard SLA based on GSMA “best practices” and recognized key quality metric parameters within the network. This SLA is tracked through monthly reporting that summarizes our network performance, and our global network operations center is available to assist on a 24/7 basis.

### Multi Service IPX Evolution

The iBasis GRX service enables you to take advantage of iBasis’ leadership in the emerging IPX technology. A single “universal” multi-service IP interconnect, starting with GRX data roaming services, Premium Voice over IP (PVoIP), signaling and LTE services, provides a natural stepping stone for the development of new additional mobile services

### Available over the iBasis IPX

Now you can connect to our mobile services over the iBasis IPX network. iBasis IPX is a global, multiservice IP network that 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 over 240 countries, territories and colonies and provides high reliability, security and global reach through managed IP connectivity, including KPN International’s global MPLS network. Based on GSMA specifications, the network ensures high quality through direct routes and security through physical and logical separation from the public Internet. The iBasis IPX provides a converged interconnect, an ecosystem that is far more efficient and commercially viable for interconnecting the growing number of carriers, operators and content providers necessary for delivering global multimedia services.

Voice		Premium Quality Voice with CLI 3G Video Telephony
Data	Messaging	SMS Interworking MMS Interworking
	Mobile IP Interworking	GRX, IPX
Roaming		Global Mobile Signaling GRX Hosted Roaming Services
		Roaming Integrator Services ITU-ANSI Conversion

The iBasis GRX Service is a key part of the Mobile Matrix portfolio, a comprehensive set of value-added services for mobile operators.

### About iBasis

A wholly-owned KPN company, iBasis is a leading international voice carrier and a provider of data services for mobile operators. The company offers a comprehensive portfolio of voice termination services and data services, including messaging, signaling and roaming, for many of the world’s largest fixed and mobile operators, as well as “over-the-top” and voice-over-broadband service providers. iBasis customers include KPN and its mobile operators, KPN Mobile, E-Plus, and KPN Belgium, and more than 1,000 other providers, including Verizon, Vodafone, China Mobile, China Unicom, Skype, TDC, Telecom Italia, and Telefonica. The company can be reached at its worldwide headquarters in Burlington, Mass., USA at +1 781-505-7500 or on the Internet at www.ibasis.com.



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