

iBasis GRX Service

A single connection for secure, reliable global data roaming



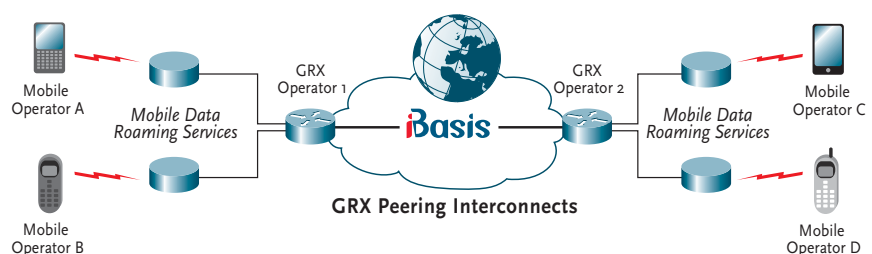
GPRS data roaming is a key enabler for mobile network operators to attract and maintain corporate and data customers. These customers expect the same level of access to their data whether at home or roaming abroad. The iBasis GPRS Roaming eXchange (GRX) allows your customers to have a consistent data experience and positions you for additional roaming revenues. That's what we do for carriers. Our scale, IP expertise, global fixed and mobile footprint and comprehensive portfolio of voice, mobile messaging, data and roaming products help you enhance your opportunities—and the overall value of your business.

GRX: A Service Snapshot

The iBasis GRX service uses Internet protocol (IP) technologies to support the “always on” wireless data services that your customers demand. The GRX service is an IP-based international network, which offers high quality data connections with agreed, industry standard SLA's. The iBasis GRX service offers:

- Improved customer access to data services;
- A cost-effective alternative to dedicated connections;
- Industry leading service level commitments;
- Secure and reliable transport with predictable operational expenses;
- Access to iBasis Premium Voice 1 products and IPX network; and
- Future-proofed for tomorrow's IP-based services.

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.



Associate
Member

Key Benefits

Our approach to serving the needs of mobile customers delivers a number of business benefits to the user of the GRX Service:

Simplicity. Just one connection gains you access to our existing infrastructure, both technical and contractual. One bill and one monthly report will take away the hassle of having to manage an entire GPRS based network, allowing you to concentrate on your core business.

Value. With our on-going network expansion of connected parties, we offer a unique flat service fee and pricing, in which you can readily predict your monthly costs.

Quality. iBasis has an enviable track record for developing and operating innovative services on behalf of our customers, with proven quality of service monitored by our own 24/7 Service Organization.

GRX Connectivity Options

The iBasis GRX Service offers customers two options for connecting to our GRX: Dedicated IP (lease-line circuits) connectivity 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, and 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.

IPX Evolution

iBasis has been a leader in IP and is a founding member of the IPIA and member of the i3 Forum. The iBasis GRX service enables you to take advantage of iBasis’ leadership in the emerging IPX technology to exchange IP traffic with the international mobile IP network and provide truly global data roaming services. A single “universal” multi-service IP interconnect, starting with GRX data roaming services, provides a natural stepping stone for additional mobile services, specifically iBasis Premium Voice over IP (PVoIP) and the IPX.

About iBasis

Founded in 1996, iBasis is a leading wholesale carrier of international long distance telephone calls and a provider of retail prepaid calling services and enhanced services for mobile operators. The company offers a comprehensive portfolio of voice termination services, value-added messaging, signaling and roaming services for mobile operators, as well as outsourcing services for many of the world’s largest fixed and mobile operators and VoBB service providers. In December 2009, iBasis became a wholly-owned subsidiary of KPN. iBasis customers include KPN, KPN Mobile, E-Plus, BASE, TDC and many other large telecommunications carriers such as Verizon, Vodafone, China Mobile, China Unicom, IDT, Qwest, Skype, Telecom Italia, and Telefonica.

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

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



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