AT&T IP Flexible Reach

A Converged Network Solution

AT&T IP Flexible Reach is a SIP "trunking" service that delivers integrated access for Key System (analog phones), TDM PBX and IP PBX environments. This managed voice over IP communication solution supports inbound and outbound calling on your data network giving you local, U.S. long distance and international reach for your U.S. sites. With AT&T you gain the efficiency and economic benefits of network convergence for your organization.

Calling Plans

• The Long Distance Plan provides unlimited on-net calling between your VoIP-enabled sites with competitive per minute long distance and international rates

• The Local and Long Distance Plan provides unlimited on-net and local calling with competitive per minute long distance and international rates

• The Local and Long Distance Package provides unlimited on-net and local calling with a long distance package that includes competitive per minute international rates

Dialing Plans

• Standard 11 digit North American Numbering Plan for both general U.S. calls and for site-to-site calls

• Private Dialing Plans supporting International off-net calling and Local dialing

• Support of 411, 911, 8XX, 700 or any free phone calling number with local calling plans
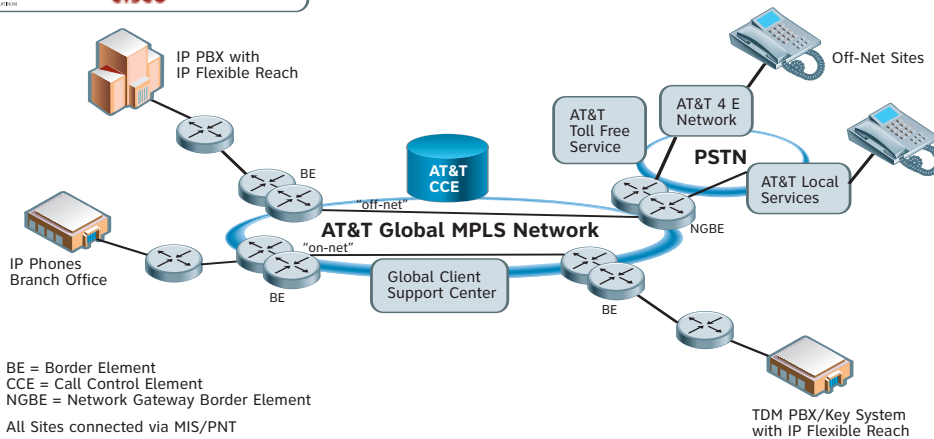
Benefits

● Convergence of IP voice and data

● Voice quality and business class performance

● Single point-of-contact for all your networking needs

● Interoperates with certified Key systems, digital TDM PBX and IP PBXs

● Operational efficiencies and streamlined management

● 24x7 customer support

● AT&T BusinessDirect®: e-bill, e-maintenance and e-ordering

Features

● In-bound and out-bound calling

● On-net calling between VoIP-enabled U.S. sites

● Flexible calling and dialing plans

● Dynamic bandwidth sharing

● Prioritization of voice across access and network

● Virtual Telephone Numbers

● Voice-quality SLAs

● Full Local service

  - DID/DOD and toll-free terminations

  - Local number portability

  - 411, NPA 555-1212

  - Directory assistance

  - Caller ID with name

  - Operator services

  - Directory listing

  - 911/E911 service

  - Blocking options

IP Flexible Reach for AT&T Voice DNA℠, TDM & IP PBXs

Examples of certified IP PBXs

AVAYA ALLIANCEPARTNER PLATINUM · CISCO · NORTEL

IP PBX with IP Flexible Reach

IP Phones Branch Office

AT&T CCE

"off-net"

"on-net"

AT&T Global MPLS Network

BE

BE

Global Client Support Center

BE

AT&T Toll Free Service

AT&T 4 E Network

PSTN

AT&T Local Services

NGBE

Off-Net Sites

TDM PBX/Key System with IP Flexible Reach

BE = Border Element
CCE = Call Control Element
NGBE = Network Gateway Border Element

All Sites connected via MIS/PNT

The IP VPN Foundation

AT&T IP Flexible Reach is supported on AT&T Managed Internet Service (MIS) and AT&T MPLS Private Network Transport Service (MPLS PNT), giving you IP VPN options that support your connectivity and bandwidth needs. These services provide access to the AT&T Global MPLS Network, giving you the foundation for seamless communications across your business with unparalleled reach, reliability and security.

IP Flexible Reach is available within AT&T's Business VoIP local footprint.
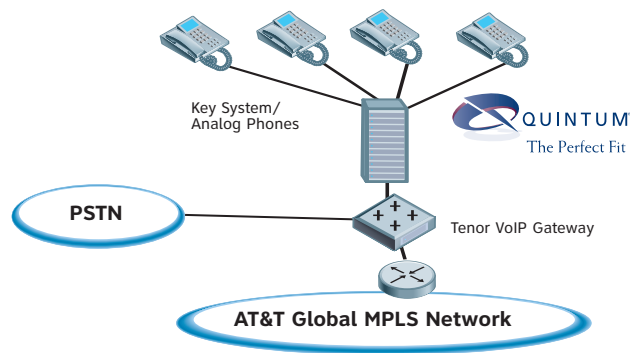
Virtual Telephone Numbers

AT&T IP Flexible Reach supports both Local and Virtual Telephone Numbers (VTNs). VTNs enable you to assign a telephone number from anywhere within AT&T's Business VoIP local footprint to a phone that is not physically located within your location's local calling area. This functionality allows you to establish local visibility within that local calling area. VTNs provide additional flexibility for various applications including Centralized Call Delivery and Branch Office IP PBX Extensions.

Centralized Call Delivery allows you to assign at a single site Local as well as Virtual Telephone Numbers from multiple local calling areas within AT&T's Business VoIP local footprint. You have the ability to centralize your call delivery by routing calls originating from various locations across the country and answering them at a central location.

The Branch Office IP PBX Extensions capability delivers telephone numbers for all your Branch Office sites and is supported by a single centralized IP PBX located at your IP Flexible Reach site. You can assign both local and virtual (VTNs) calling capabilities to each branch office location. Branch office locations must also be within the 911 footprint of AT&T's Business VoIP local footprint. This feature provides the ability to use your existing IP data network to conveniently distribute the calls to your branch office sites. It allows you to utilize the flexibility of your IP PBX to support IP phones without additional hardware.

IP Flexible Reach for Key Systems

Key System/Analog Phones · QUINTUM The Perfect Fit · PSTN · Tenor VoIP Gateway · AT&T Global MPLS Network

Outstanding Performance

Network performance – AT&T provides VoIP over a single private IP converged network so that you can count on reliable voice quality and be assured of better security protecting the privacy of your calls. In addition, utilizing Class of Service (COS) with 25 different profiles, you can optimize your voice & data application performance.

Service Level Agreements – AT&T provides Service Level Agreements (SLAs) for VoIP that reinforce our commitment to delivering business class voice service.

Web-based reporting – AT&T provides you with web-based performance reporting, call reporting, e-ordering, e-bill and e-maintenance features via the AT&T BusinessDirect® Portal.

Hardware & Software

AT&T provides the elements required to support connectivity with key systems, traditional TDM PBXs or IP PBXs. An AT&T managed router that is deployed with the data service is equipped with the appropriate software and hardware for your service.

AT&T deploys fully configured gateway routers at your sites that transport both voice and data traffic. IP Flexible Reach works with certified key system, TDM PBX, IP PBX and hosted IP Telephony (AT&T Voice DNA℠) applications.

How It Works

To help ensure business class voice quality, AT&T employs Class of Service, which prioritizes the voice packets for immediate transport. AT&T engineers perform advanced bandwidth management and implement traffic queuing priorities in the gateway router as part of the deployment process. AT&T IP Flexible Reach helps maximize the efficiency of your communications infrastructure. To help ensure your migration is smooth, we provide design, implementation and lifecycle management.

Key Systems (Analog Phones)

In order to maintain investment in an existing key system infrastructure, AT&T can deploy a fully configured switch which allows organizations to migrate to a VoIP infrastructure at their own pace. The switch, along with an AT&T managed router, transports both voice and data traffic over the IP Network.

The switch also provides alternate access to the Public Switched Telephone Network (PSTN), helping to assure that telephony, including 911 calls, can continue outside the IP network if necessary. In this case, the switch appears like the PSTN to the key system.

The VoIP switch has a unique design that makes it simple to deploy and easy to configure.

For more information contact your AT&T Representative or visit us at www.att.com/voip.

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