

Parlay VoXip – VoIP Gateway



Parlay VoXip Voice over IP Gateway ISDN /VoIP (SIP) conversion + advanced call routing features



Parlay VoXip

Unique Voice over IP Gateway / ISDN to SIP converter



- ★ Migration to VoIP, using ISDN equipment without modification
- ★ Call routing to SIP based VoIP Service Providers
- ★ Routing of incoming SIP calls to ISDN PBX
- ★ Toll-free IP voice over LAN / WAN / Internet
- ★ Home offices and branch offices connected via VoIP
- ★ Seamless fallback to ISDN in case of poor IP link



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Unique VoXip selling points

- ★ Makes any ISDN PBX VoIP capable – no modification of the PBX
- ★ Supports call routing to / from SIP based VoIP Service Providers
- ★ VPN: Transparent tunnelling of ISDN and QSIG via IP between 8 Endpoints
- ★ Advanced call routing schemes via ISDN, SIP, VPN
- ★ Seamless re-routing of calls via ISDN if no VoIP connectivity
- ★ Well-proven ISDN stack, handles many national ISDN dialects



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Positioning of Parlay VoXip

Parlay VoXip is a reliable and cost efficient ISDN / VoIP converter:

	analogue interfaces	ISDN interfaces
Voice Gateway		Parlay VoXip
Voice Gateway + Data Router		



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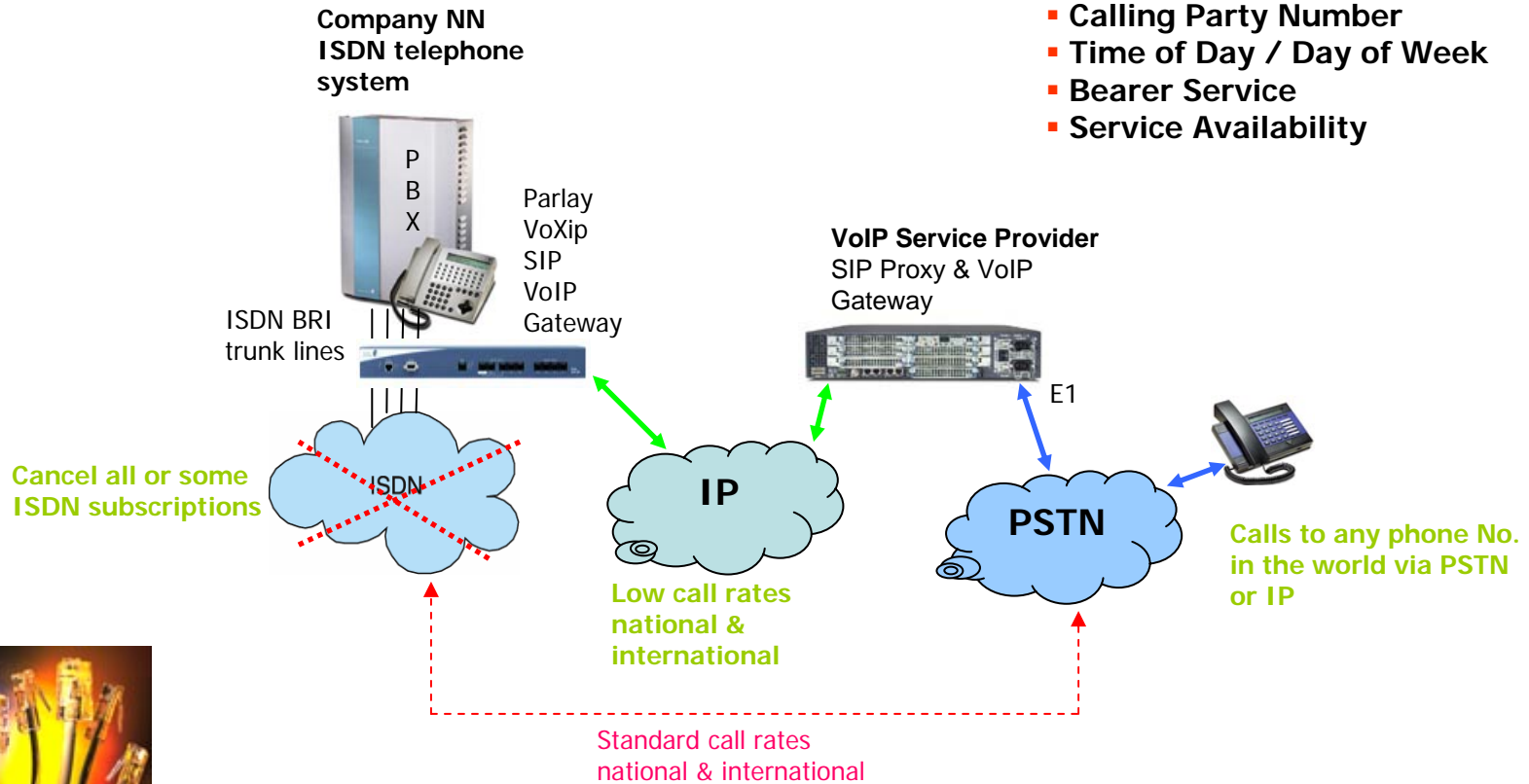
SIP Trunking: Calls to and from a VoIP Service Provider

Convert all or certain calls to SIP and route to a VoIP Service Provider.

Receive incoming SIP calls and convert to ISDN.

Parlay's routing table allows to define advanced criteria for call routing. These are e.g.:

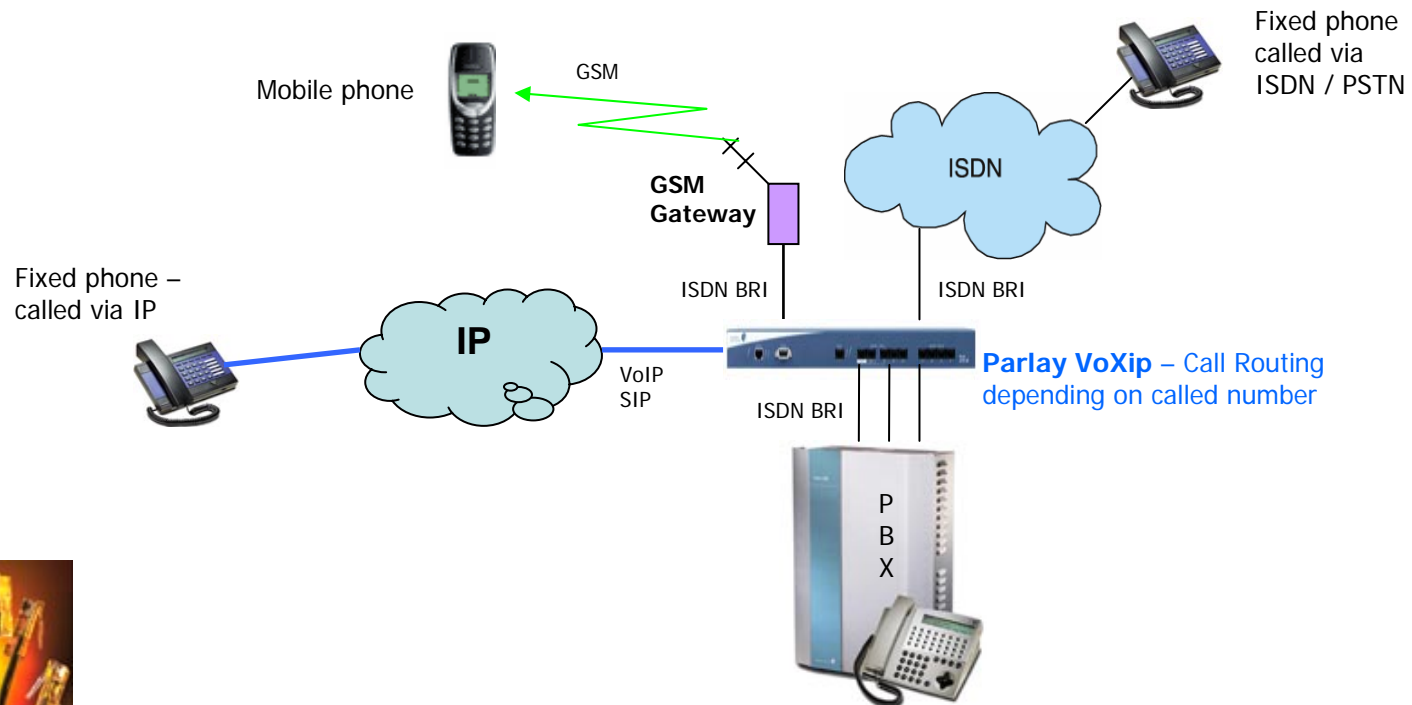
- Called Party Number
- Calling Party Number
- Time of Day / Day of Week
- Bearer Service
- Service Availability



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Least Cost Routing via IP, GSM and ISDN

- Outgoing calls from a PBX may be routed to either ISDN lines, GSM GW or converted to VoIP depending on called number.
- Automatic re-routing is possible, e.g. from IP to ISDN if connection via IP is not achieved.
- Incoming calls from ISDN, GSM and IP are routed to the relevant extensions of the PBX.

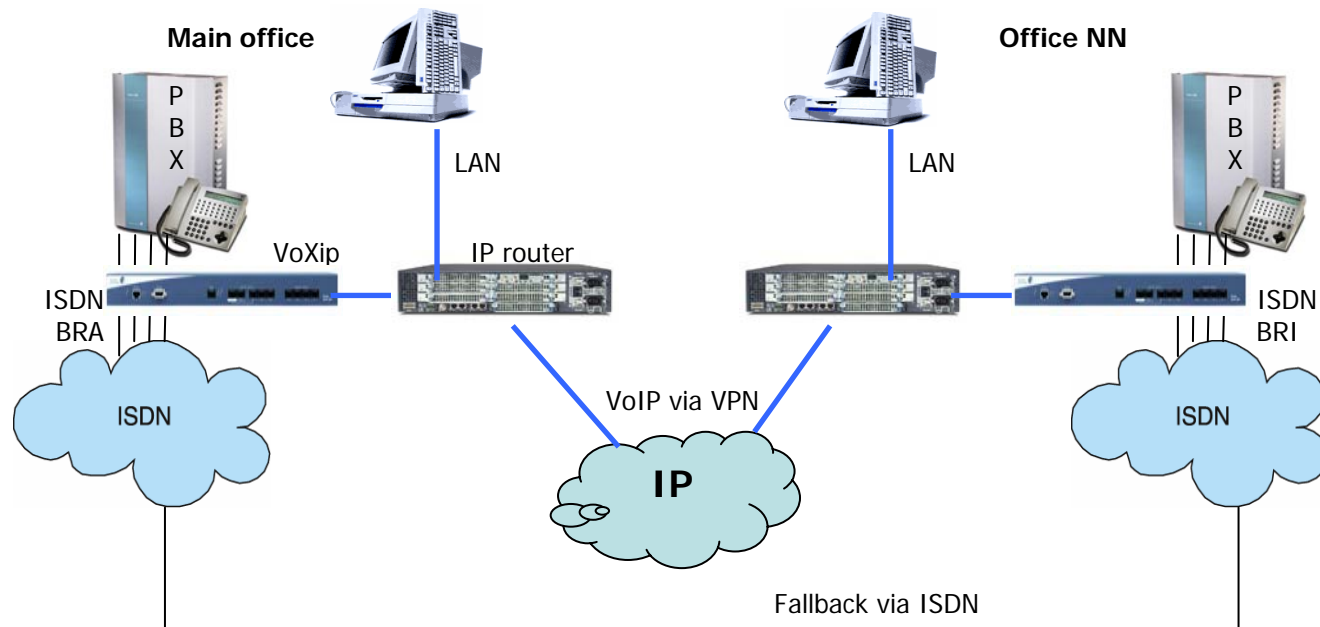


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VPN: Link company sites with VoIP

Users dial external number. Parlay translates into extension number to be called at the remote end. Seamless fallback via ISDN is possible.

Parlay may generate AOC to the PBX on calls via IP. The IP router takes care for bandwidth and quality management.

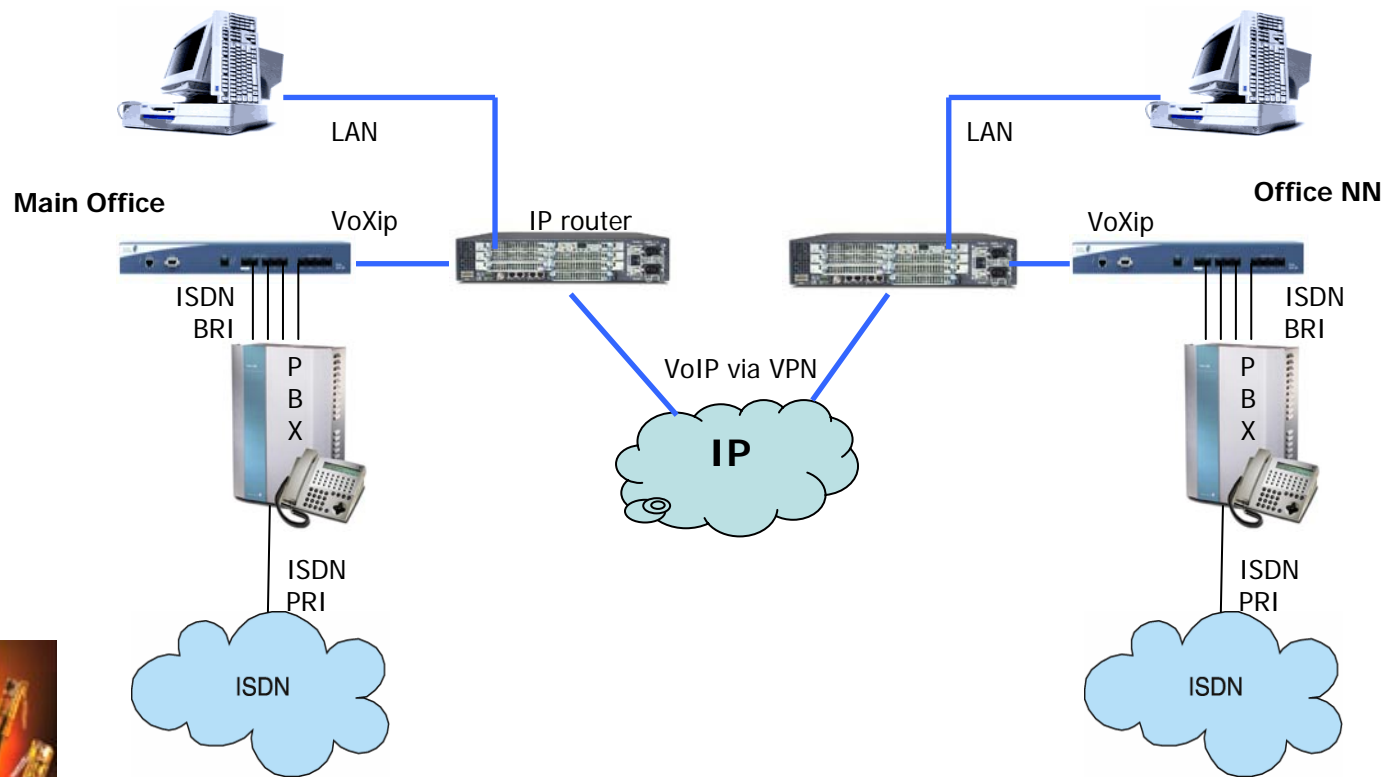


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VPN: Link company sites with VoIP

Colleagues call each other by dialling an extension number. The two Parlays tunnel the ISDN signalling thus creating a virtual tie line between the two PBXs.



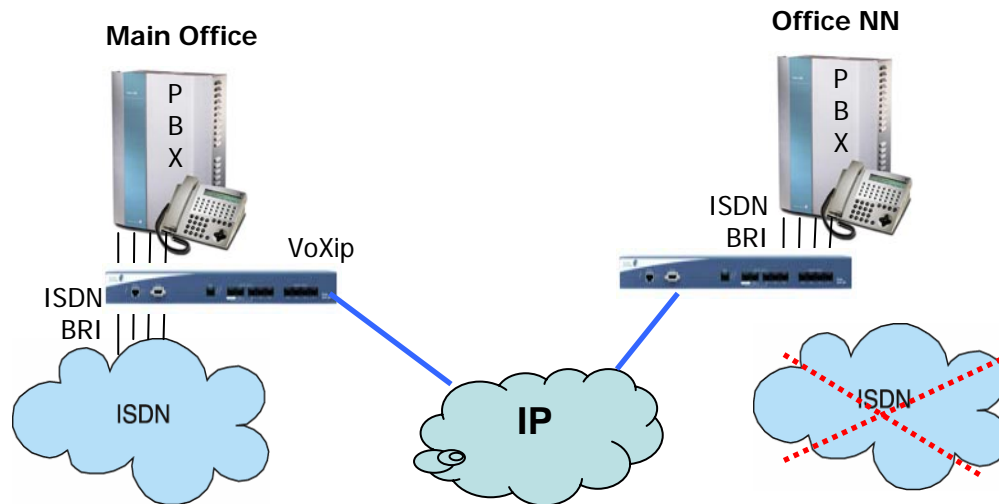
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VPN: Skip ISDN lines at branch offices

There is no need to maintain ISDN access at each branch office. This will save the monthly line subscription.

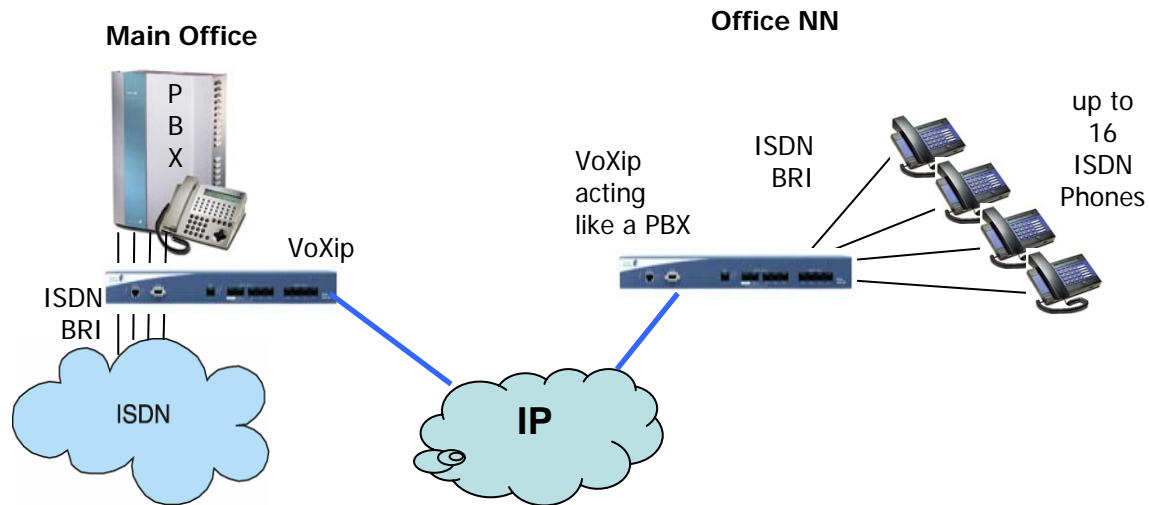
However, you may save international call charges when calling via IP to a branch in another country and then drop out to ISDN as a local call



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VoXip as a basic PBX

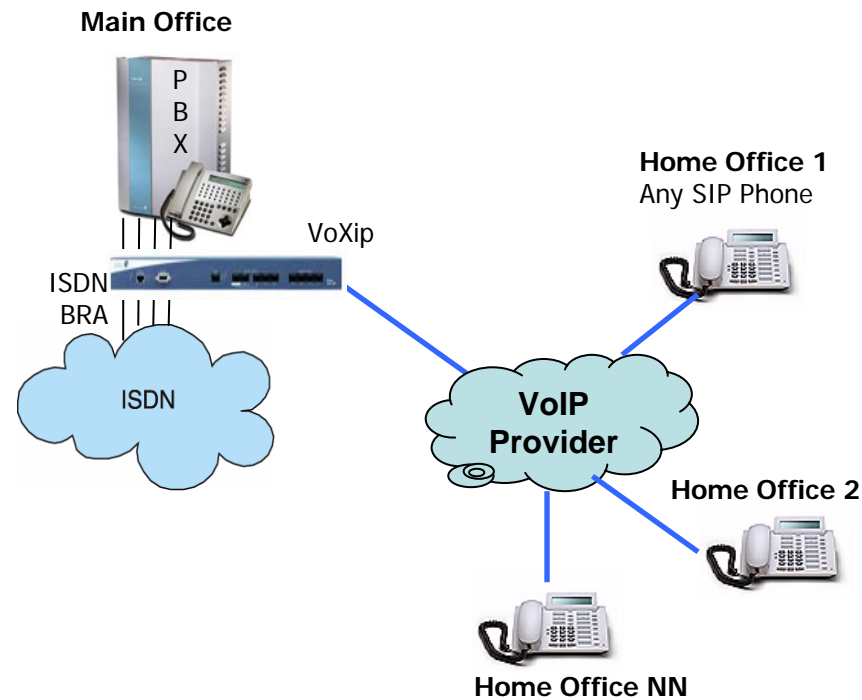
There is no need to have a PBX at each branch office. You may connect standard ISDN phones to the Parlay VoXip, which supports basic PBX features like call transfer and hunt groups.



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Toll-free communication with Home Offices / Small Offices

Make toll-free calls to Home Offices with Parlay VoXip.
 Callers do not need to change calling behaviour. They just dial the home office number as usual, and Parlay converts to the proper IP address.
 Parlay can address a huge number of home offices / branch offices.



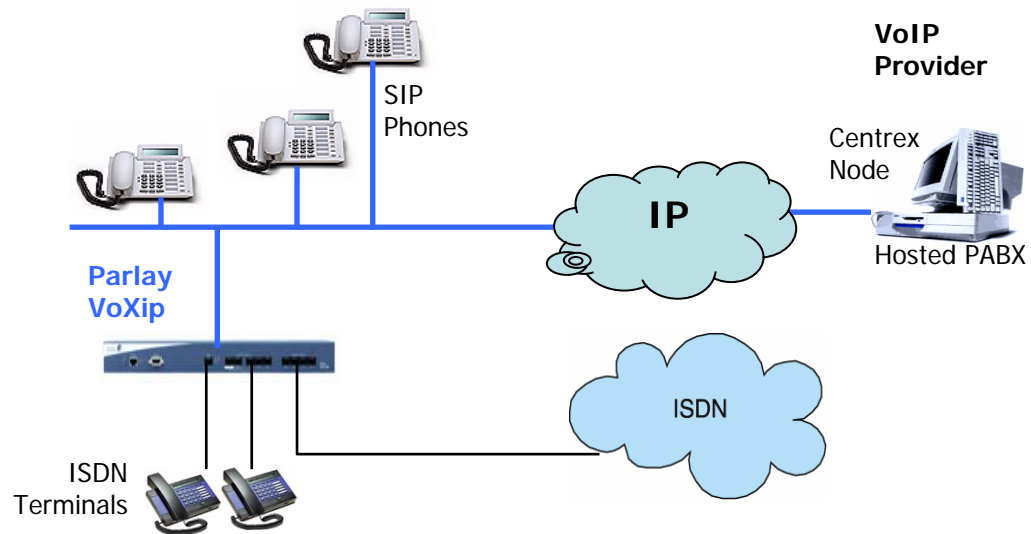
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Parlay VoXip and IP Centrex

IP Centrex replaces the in-house PBX. The carrier's node hosts the services of the telephone system. The customer does not have to invest, nor does he have to worry about maintenance and configuration. Everything can be configured via a browser.

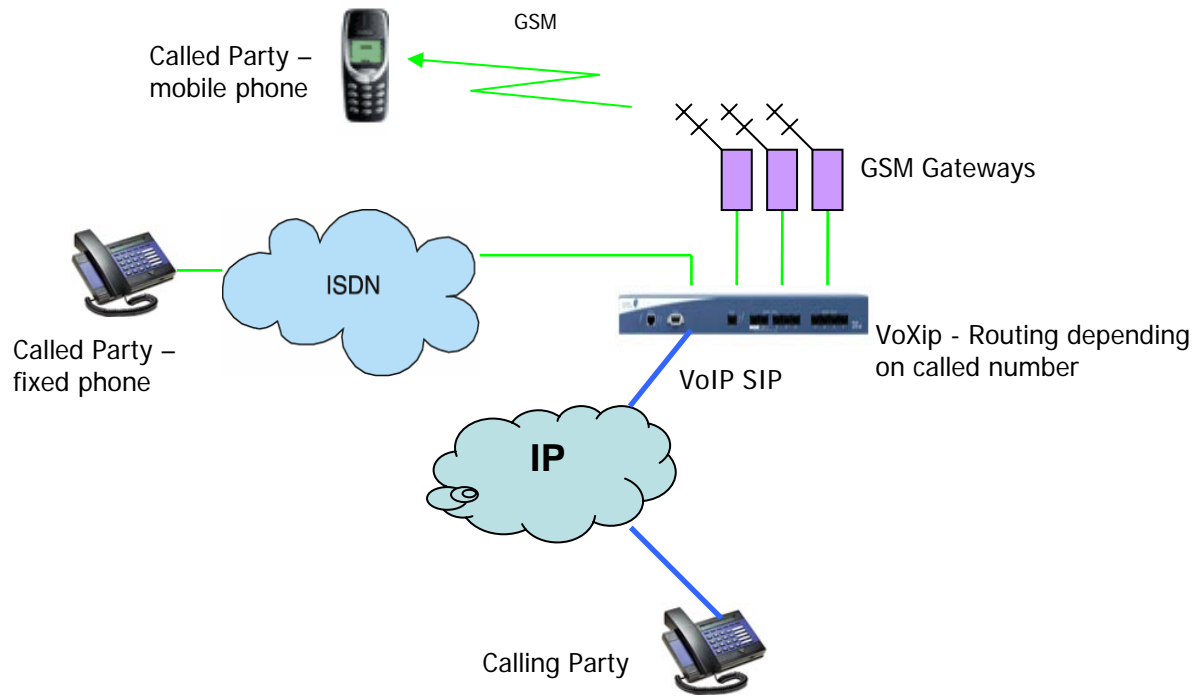
The beauty of Parlay VoXip on IP Centrex is, that the customer can keep the ISDN terminals, and the ISDN lines as well.



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Option: Flexible SIP to GSM Gateway

Terminate VoIP calls to mobile phones by a GSM Gateway and save expensive interconnect charges



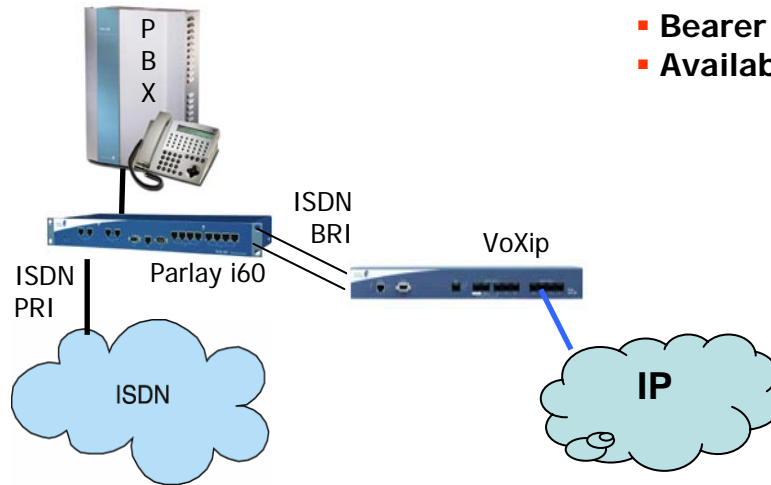
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ISDN PRI to VoIP

If you need to interface on PRI level, the Parlay i60 Multiplexer is ideal. It drops out calls to Parlay VoXip based upon:

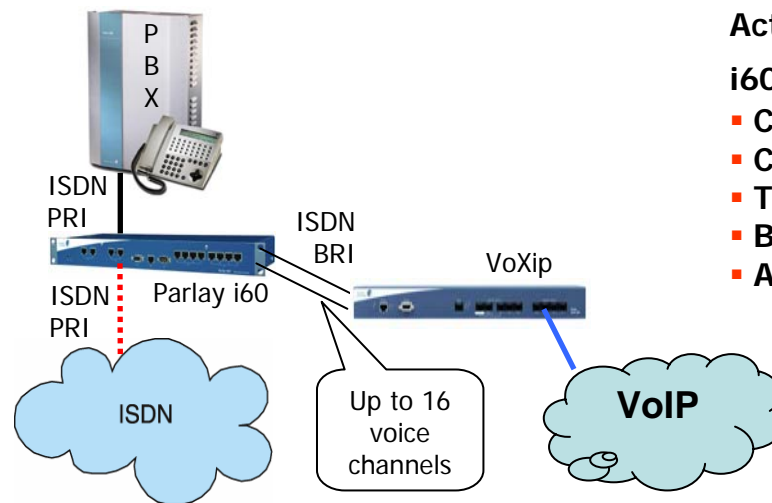
- Called Party Number
- Calling Party Number
- Time of Day
- Bearer Service
- Availability



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ISDN PRI to VoIP

If you need to interface on ISDN PRI level, a cost efficient bundling of the Parlay VoXip 108 or 116 VoIP gateways and the Parlay i60 PRI/BRI converter is a powerful solution. You may use the solution for outgoing calls only and maintain a PRI line for incoming calls or you may skip the PRI line.



Actual call routing is handled by the i60 unit and based on:

- Called Party Number
- Calling Party Number
- Time of Day / Day of Week
- Bearer Service (voice, data, fax)
- Availability of service or person

Product name	VoXip unit used	i60 unit used	No. of PRI ports	No. of VoIP Channels
VoXip108PP	108	2 X PRI & 4 x BRI	2	8
VoXip 116P	116	1 x PRI & 8 x BRI	1	16
VoXip 116PP	116	2 x PRI & 8 x BRI	2	16



The i60 unit may be used for other applications as well, e.g. anti-roaming mobile call-back, ISDN least cost routing etc.

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Interface Variants, VoXip 108



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Interface Variants, VoXip 116

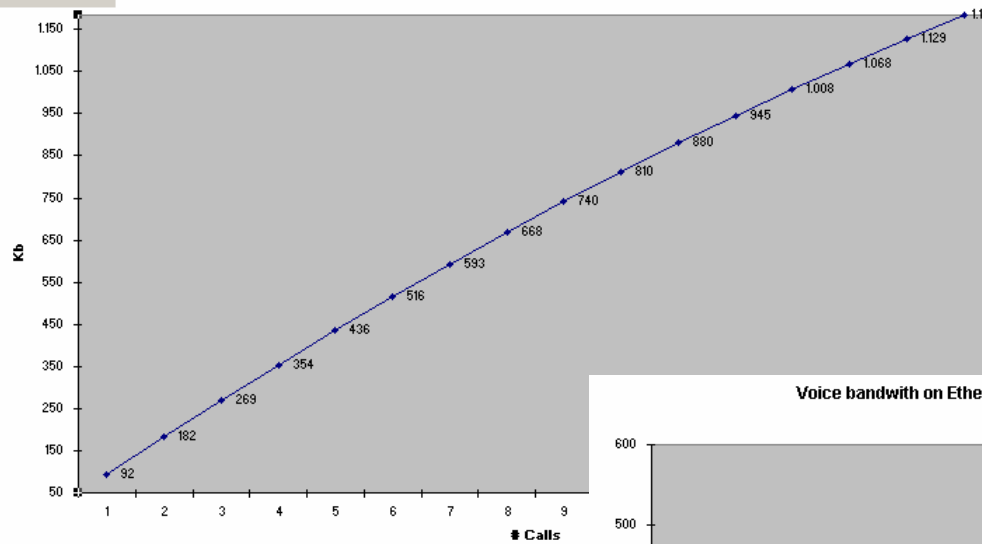


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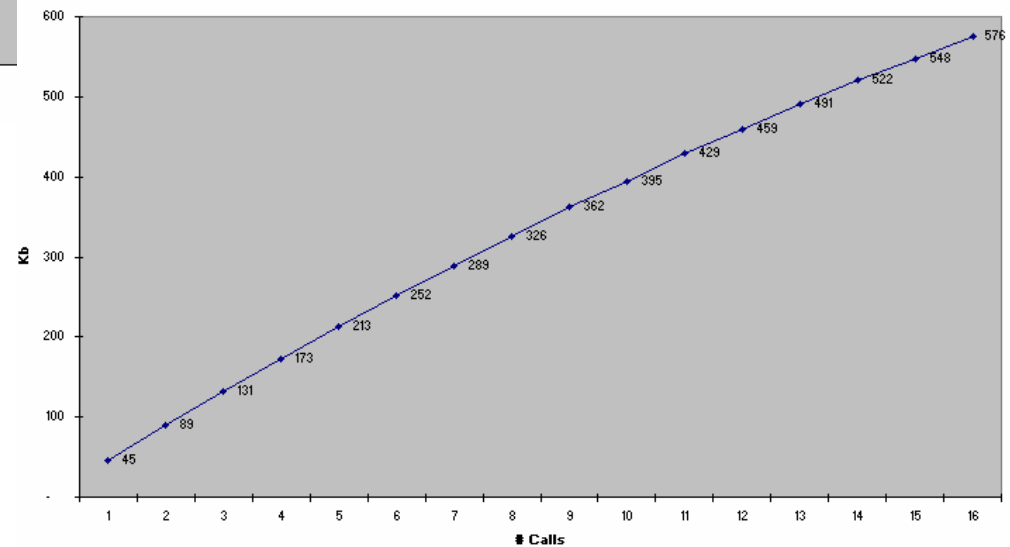


Bandwidth requirements

Voice Bandwith on Ethernet link, G.711 64 kb/s, No silence suppression



Voice bandwidth on Ethernet link, G.726 32 kb/s, No silence suppression



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Setting up a routing table

This is how it looks when you set up a routing table using the build-in web server.

Name	From group	Calling No.	Called No.	To Group	Alternativ To Group	Action
SIP-to-73200014	VoIP	?	100165	Default_1		Edit Delete
SIP-to-73200015	VoIP	?	100167	Default_1		Edit Delete
SIP-to-73200012	VoIP	?	100168	Default_1		Edit Delete
73200014-to-SIP	Default_1	73200014	?	VoIP		Edit Delete
73200015-to-SIP	Default_1	73200015	?	VoIP		Edit Delete
73200012-to-SIP	Default_1	73200012	?	VoIP		Edit Delete
73200027-to-SIP	Default_1	73200027	?	VoIP		Edit Delete
73200019-to-SIP	Default_1	73200019	?	VoIP		Edit Delete
73200011-to-SIP	Default_1	73200011	?	VoIP		Edit Delete
SIP-to-73200027	VoIP	?	100169	Default_1		Edit Delete
SIP-to-73200019	VoIP	?	100172	Default_1		Edit Delete
SIP-to-73200011	VoIP	?	100173	Default_1		Edit Delete

Routing table name: VoXip default table 040621



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Interested?

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