



Parlay VoXip 104, 108 and 116 SIP Gateways with ISDN interfaces

Mechanics

19" rack fit, 2.25 kg, metal cabinet

Power Supply

Switch mode power supply built-in.

Input voltage: 95 - 263 VAC, 50 - 60 Hz.

Power consumption: 10 VA average, 20 VA peak.

Data Interfaces, physical

Ethernet 802.3, 10/100BaseTX auto-sensing.

RS232 serial console interface, DB9 socket.

ISDN Interfaces, physical

VoXip 104 ISDN BRI in NT/TE mode: 0/2, 1/1 and 2/0.

VoXip 108 ISDN BRI in NT/TE mode: 0/4, 2/2 and 4/0.

VoXip 116 ISDN BRI in NT/TE mode: 0/8, 2/6, 4/4, 6/2 and 8/0.

VoXip 108PP ISDN PRI in NT/TE mode: 1/1.

VoXip 116PP ISDN PRI in NT/TE mode: 1/1.

ISDN Signalling

Point-Point and Point-Multipoint, including line hunting.

En-bloc and Overlap sending / receiving.

QSIG tunnelling.

Supports national dialects: VN2 - VN6 (France),

1TR6 (Germany), BAKOM (Switzerland), INS64 (Japan).

Layer 2/3 trace decoder

Codecs

Voice Codecs: G.711 (64 kbit/s PCM), A-/μ-law.
G.726 (32 kbit/s ADPCM), A-/μ-law.
A-law to μ-law conversion, Silence
Suppression, Voice Activity Detection,
Comfort Noise Generation.

Number of IP calls: 4 (VoXip 104), 8 (VoXip 108) or
16 (VoXip 116) simultaneous calls.

DTMF Support: In-band, and RFC 2976

Echo Cancellation: G.165 with 32 msec tail.

SIP Features

Operation Mode: User Agent in Proxy and Redirect Mode.

Multi-Proxy: Supports 4 Proxies simultaneously.

Registrations: 100 accounts (DDI) at the Proxy.
Accountless registration (Non-Proxy Mode).

IP-link supervision: Re-routing via ISDN on SIP error.

QoS means: IP Type of Service (DSCP marking).

ISDN tunnelling over IP

ISDN and QSIG tunnelling over IP between 8 Parlay VoXip.

RTP Multiplexing to reduce IP overhead.

Voice Switching Features

Local switching, allowing internal calls between ISDN inter-
faces of the Parlay VoXip.

Local call progress tone generation.

Local Advice of Charge (AOC) generation, also at SIP calls.

Call Transfer, Call Forwarding.

Calling Party Number modification (e.g. present corporate
numbers).

Called Party Number modification (e.g. add Carrier Selection
Code).

Voice Routing Table specifying handling of calls:

- Least Cost Routing
(e.g. corporate and international calls via IP).
- Toll bypass (e.g. via IP to branch and drop out to ISDN there).

Programming

Via built-in web server, providing a Graphical User Interface.

Via Telnet session, menu-driven user interface.

Via RS232 using terminal program, menu-driven user interface.

Software upgrade/backup using FTP or HTTP.

Parlay VoXip VoIP Gateway

- Easy Migration to VoIP
- Unique ISDN Integration
- Ultimate Least Cost Routing
- Automatic Fallback via ISDN

Layout: KreativGrafisk. Reservation is made for adjustments of specifications and printing errors. Release 1-7-0 December 2005.



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Seamless Migration from ISDN to VoIP

Standard Concept

Parlay VoXip Standard is the cost-efficient choice for ITSP's. It reliably connects any kind of ISDN-equipment to the SIP service, allowing customers to keep single ISDN lines.

- The Parlay VoXip ensures DDI to PBX extensions by individual SIP accounts as well as in accountless mode.
- Its well-proven ISDN implementation guarantees satisfied customers.
- It enables migration from ISDN to low cost VoIP without replacing or upgrading the existing ISDN voice communication platform.

Reliability and Interoperability

The Parlay VoXip connects to any telephone system and any terminal device with ISDN interfaces in any country. The VoXip has inherited the ISDN protocol of the famous Parlay ISDN Least Cost Routers and ISDN Multiplexers. These Parlay units have been serving more than 1 million ISDN channels since the mid nineties.

The Parlay VoXip connects to ISDN networks as well. This allows customers to keep their phone numbers for incoming calls during the migration period. It also offers re-routing options via ISDN, in case the VoIP access is temporarily not available or overloaded.

The Parlay VoXip incorporates the call handling features of the Parlay Multiplexers. This includes least cost routing as well as re-routing. ISDN phones connected directly to Parlay VoXip benefit from the basic phone system features such as call transfer and call forwarding. Line hunting guarantees proper interoperability with any kind of telephone system. Advice of Charge keeps the billing information even on IP calls.

Unique Advantages

The proven Partner Voxel ISDN protocol stack of Parlay VoXip provides a number of unique advantages:

- ISDN to VoIP migration without replacing the existing ISDN equipment
- Automatic re-routing to ISDN in case of VoIP service interruption.
- Advice of Charge billing data even on IP calls for hotels and companies keeping track of call costs.
- Tunneling of ISDN and QSIG over IP Links, including detailed call records for monitoring of telephone usage.
- Well-proven ISDN stack, handles many national ISDN dialects.
- The Partner Voxel team provides extensive, international and strong support, both as to training and installation.

The Parlay VoXip versions

The two product lines are available in three different models – VoXip 104, VoXip 108 and VoXip 116 - all with BRI interfaces and also two other models – VoXip 108 and VoXip 116 with PRI interfaces.

The Parlay VoXip 104 provides Ethernet interface to LAN/WAN, 2 ISDN BRI interfaces and supports up to 4 IP voice channels.

The Parlay VoXip 108 provides Ethernet interface to LAN/WAN, 4 ISDN BRI interfaces and supports up to 8 IP voice channels.

The Parlay VoXip 116 provides Ethernet interface to LAN/WAN, 8 ISDN BRI interfaces and supports up to 16 IP voice channels.

All models are delivered with reversible interfaces (NT/TE).

The Parlay VoXip 108 with PRI interface provides Ethernet interface to LAN/WAN, 2 ISDN PRI interfaces and supports up to 8 IP voice channels.

The Parlay VoXip 116 with PRI interface provides Ethernet interface to LAN/WAN, 2 ISDN PRI interfaces and supports up to 16 IP voice channels.

Efficient and Flexible Product Support

Partner Voxel provides extensive international product support. The service package includes training of technicians and sales people, quick response times regarding trouble shooting as well as installation and maintenance through authorised partners.

The incorporated browser in the Parlay VoXip makes the installation and initial operation easy and quick.

The browser interface access to the Parlay VoXip makes worldwide support and reconfiguration possible.

Top class customer support, flexibility and user friendliness.

Advanced Concept

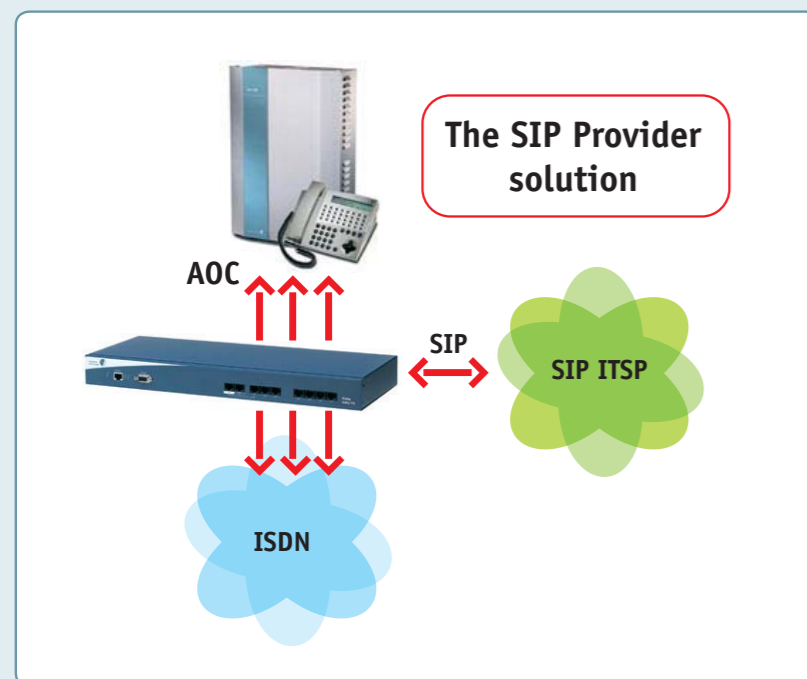
Parlay VoXip Advanced is the perfect choice for System Integrators. Its sophisticated call routing algorithm allows any combination of these solutions:

- SIP trunking routes calls to five different SIP Carriers over the broadband connection.
- VPN and ISDN over IP connect up to 8 branches transparently over IP.
- SIP Migration integrates ISDN equipment into a SIP telephone system.

Parlay VoXip Product Lines

Standard	Features	Advanced
No	VPN	Yes
No	ISDN Tunnelling over IP	Yes
No	Toll Bypass	Yes
1	SIP Providers Proxy	5
No	AOC Generation	Yes
No	Call Transfer	Yes
3	Trunk Groups	16
3	Voice Carriers	50
10	Routing Lines	>1000

Parlay VoXip Standard



Parlay VoXip Advanced

