



**XIPbroker 20 offers high-quality, cost-saving voice services to professional financial environments.**

XIPbroker cuts costs for expensive leased phone lines by replacing them with the possibility to speak over the existing data network.

XIPbroker is a high-quality new generation voice communication solution that enables high quality voice traffic transport between two or more XIPbroker gateways via the Internet or the Intranet.

XIPbroker enables a reliable, secure conversation with a high level of encryption. This provides protection from wiretapping / Internet snooping.

XIPbroker is designed to allow analogue trunk lines on PABX's to be connected via the Internet. Electrical interface includes Loop-start, ARD (automatic ring down), MRD (manual ring down) and shout down.

By placing XIPbroker gateways at business offices around the globe, international businesses can earn immediate savings by using the Intranet or the Internet instead of dedicated voice connections.

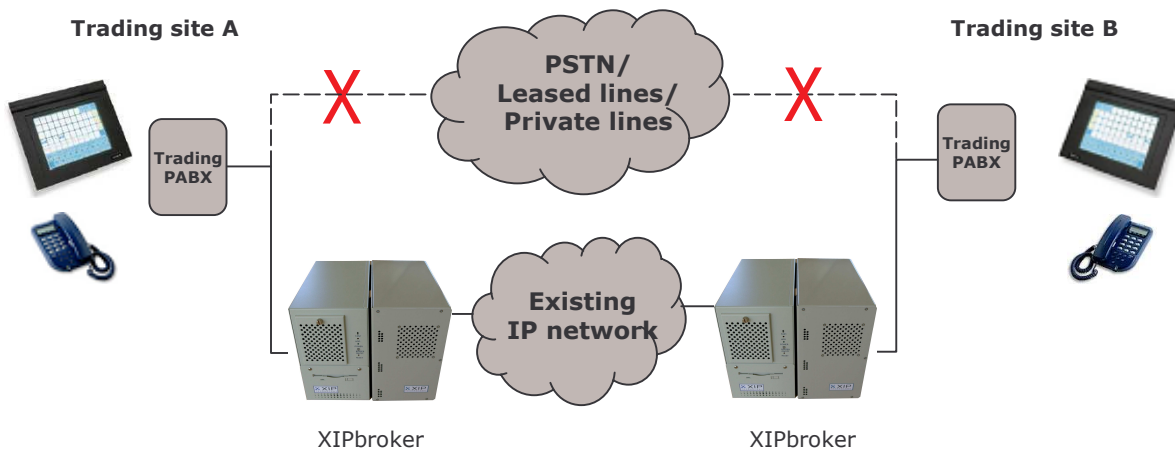
In operation, XIPbroker provides a gateway function for voice traffic communication between two or more XIPbroker gateways via the Intranet or the Internet.

**Benefits and features**

- 4-wire lines or 2-wire lines with or without line voltage may be used
- An XIPbroker 20 gateway can support up to 12 analogue E&M lines
- Quick and easy installation
- Exclusive web-based management tool
- Automatic connection/reconnection of configured lines
- Call is automatically connected over PSTN if IP network fails
- XIPbroker gateways automatically adapt to varying line conditions through advanced line calibration and echo cancellation
- Both input and output gain can be set in 3 dB steps within a wide range
- Remote management and configuration capabilities
- Designed for use with the offices' existing telephone switchboards (PABX's) or direct connection to the Public Service Telephone Network (PSTN)
- No need for central database processing makes system redundant
- The XIPbroker gateway provides GSM voice quality (or better)
- Exclusive remote service and upgrades
- State-of-the-art encryption technology



**XIPbroker 20**



**XIPbroker provides immediate savings on international dedicated voice connections.**



## How XIPbroker gateway works

The XIPbroker gateway takes telephone signals, digitizes them, compresses them and then routes them using the Internet Protocol (IP). Meanwhile, the XIPbroker gateway at the other end reverses this operation for packets coming in from the network and going out over a telephone allowing a phone-to-phone conversation. Each connection is automatically up and running after any kind of disconnection.

## Encryption

Powerful 256 bit encryption that provides state-of-the-art protection against wire-tapping / Internet snooping.

## Gateway administration

The XIPbroker gateway is fully controlled through a web interface. All lines can be configured and supervised remotely.

## Routing

Provides interconnection between several XIPbroker gateways.

This way different lines on one gateway can be connected to different gateways.



## XIPbroker Options

### XIP Server

Via the server, customers with XIPbroker gateways are able to connect over the Internet and obtain useful information as well as manage the following:

- Diverse statistics on the XIPbroker gateway's use
- Diverse alarm messages from systems connected to the gateway
- Dynamic IP address management
- Encryption key management

### XIP Encryption

Powerful enhanced 1024 bit encryption. Asymmetric key system.

### XIPmite IPphone

Enables telephone communication by directly attaching an ip-telephone to the gateway.

### XIP Conference

Conference call functionality.

## Included in an XIPbroker standard package:

### XIPbroker Gateway:

- Gateway with 4/8/12 lines capacity
- Power cable
- Ethernet cable

### A yearly license that includes:

- Remote upgrades
- Remote supervision and alarm analysis
- Access to server

### Technical information

#### Network requirements

- Ethernet, RJ45, 10/100 Mbps
- Data speed, selectable 19 kbps or 68 kbps per call

#### Analogue line requirements

- Line impedance 100-2000 ohm
- 1-12 lines / gateway
- 2- or 4- wire connection
- Loop-start, ARD, MRD and shout down

#### Power requirements

- 90-264V AC

#### XIPbroker 20 description

- Voice compression 13kb/s
- Echo cancellation
- Silence suppression for bandwidth reduction
- Reduction of digital jitter
- Analogue line interface
- Watchdog
- Robust industrial computer size: 280 x 230 x 257mm
- LINUX operating system

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