



Vox ADSL PBX

For small businesses



Fact sheet

Product overview

The Vox ADSL PBX offers a total SOHO voice and Internet access solution, and all on a single platform.

For customers running a business from home, the Vox ADSL PBX is the ideal system to satisfy both household and office requirements. The Vox ADSL PBX allows you to add two VoIP SIP trunks to your broadband connection, resulting in reduced telephony costs.

Product Overview

The Vox ADSL PBX is the premier product for one- or two-line businesses that require broadband communication as well as comprehensive voice services and networking capabilities. The Vox ADSL PBX offers a total SOHO office solution in a single platform. By combining a fully featured PABX with a VoIP and data gateway, VoIP and PSTN (Telkom) calls are handled in the same manner, making it possible to switch calls which have been made or received on the VoIP line. In essence the VoIP channels can be used in the same way as a traditional PSTN telephone line. The Vox ADSL PBX is a practical, convenient and affordable office-in-a-box solution for small business and home offices, and caters for up to 8 users. This unique product offers small businesses and home users voice, broadband and data communications on a single platform. The product boasts extensive call handling features, including:

- > Wired and DECT extensions
- > ADSL modem
- > 4 port router
- > Firewall
- > WLAN
- > 2 x Vox VoIP channels
- > 2 x Telkom analogue lines

All of this is provided in a streamlined contemporary desktop design that is an attractive feature in any office.

Features and benefits

The Vox ADSL PBX is a fully featured PABX that supports both wired analogue extensions and integrated digital cordless (DECT) extensions, together with a complete data solution including wireless LAN.

4 cordless DECT extensions

2 analogue Telkom lines

2 VoIP trunks

ADSL modem

2 port voicemail

4 wired analogue extensions

WiFi (802.11b/g)

LAN 4 Port

Music on hold

Doorstrike

It supports 4 wired extensions, integrated voicemail (2 port), music on hold and a shared system directory (available from both analogue and DECT Phones).

Supports 2 Telkom analogue lines and integrates 2 Vox VoIP channels

The Vox ADSL PBX also seamlessly integrates 2 VoIP channels into the PABX.

Complete data solution

The Vox ADSL PBX is also a fully featured data solution and is equipped with an ADSL 2+ modem for fast Internet access, as well as a router, firewall, 4 Ethernet ports and an integrated WiFi (802.11b/g) access point. Internet access through an external modem such as a Cable Modem can be supported using the WAN port.

Ease of setup

Vox provides user-friendly setup and configuration via a web interface. A remote access option is also available to enable network operators/suppliers to remotely configure and manage the Vox ADSL PBX.

Doorstrike

A doorstrike output can be used to remotely open a door.

Technical specs

Data gateway features

- > WAN interfaces
- > WLAN
- > DHCP server
- > DNS relay
- > Routing
- > Stateful Inspection Firewall
- > Virtual server (including PAT and DMZ host)
- > IGMP proxy
- > VoIP (SIP 2.0)

WAN interface

The router has the following WAN interfaces:

- > 10/100 BaseT Ethernet WAN port
- > ADSL 2+ modem

LAN ports

- > 4 x 10/100 BaseT Ethernet ports

Quality of service

- > Voice Service is prioritised over the data traffic

VoIP functionality

- > 2 x SIP (RFC 3261) voice channels

The following codecs are available to each channel:

- > G.711 (64 kb/s) i-Law
- > G.711 (64KB/S A-Law)
- > G.729 A/B (8 kb/s)
- > G.726 (32 kb/s)

The following features are used by the gateway:

- > VAD (Voice Activity Detection)
- > Silence suppression
- > Comfort noise
- > Echo cancellation (G.168)

ADSL modem

The modem complies with the following:

- > ANSI T1.413 Issue 2
- > TU-T G.992.1 Annex A/B (G.DMT)
- > TU-T G.992.2 (G.lite)
- > TU-T G.992.3 (G.dmt.bis)
- > TU-T G.992.5 (ADSL 2+)

Protocol support

- > PPPoA
- > PPPoE
- > RFC 1483

Management application

Management system configuration via an intuitive web-based graphical user interface

Full remote management application

Security

Wireless - WEP and WPA are both supported for wireless security

Firewall - Stateful Inspection Firewall Network Address Translation Intrusion detection

Music on hold (MOH)

- > External calls - '96 music or tone

Environmental requirements

Normal working temperature: 0°C to 40°C

Working humidity (non-condensing): 5% to 95%

Safety and protection

- > EN55022, EN55024, EN60950

Voicemail

- > Integrated voicemail application

Voicemail capacities

- > 1 system mailbox (answering machine)
- > 2 Port: 30 min messaging capacity

Power Supply

- > AC-to-DC power adapter (provided)
- > 110/220v AC - input
- > 24 V DC 1.0A - output

Dimensions (W, D, H)

- > 200mm x 190mm x 80mm

Feature set includes:

- > Call pickup
- > Call waiting
- > Conference
- > Call forward
- > Do not disturb
- > Night service
- > Call hold
- > Music on hold
- > Redial
- > Reminder call
- > Speed dial
- > Voicemail
- > Shared directory (DECT and Feature phone)

PABX capacity

- > 2 PSTN lines
- > 4 x Wired extensions (up to 4 fully featured Feature Phones)
- > Integrated DECT base station with support for 4 DECT handsets (GAP compliant)

Euro DECT

Wireless LAN access point

- > An 802.11b/g WiFi Access Point is provided

Doorstrike relay contact

- > Max rating: 24 Volts DC, 2 Amps



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