

Horstbox Professional DVA-G3342SB

ADSL/ADSL2+ ISDN VoIP Gateway

The Requirements

Most telecommunications enterprises plan to migrate their conventional phone networks to VoIP based on the SIP protocol. In the future more customers will demand Telephonie over the Internet more and more.

Use all possibilities of VoIP today! The advantages are various:

- cost savings on the charges side, but also at the operative level;
- independence of changing rates for phone services.

Features

WAN and LAN

- ADSL/ADSL2+
- 4 Ethernet Ports
- Firewall
- DHCP Server
- DDNS
- DMZ

SoftPbx

- Up to 8 ISDN- and up to 2 analog Phones
- Up to 20 VoIP Accounts
- External Redirections
- Call Rules
- Accounts
- Least Cost Routing
- Internal Calls to all Devices

WLAN

- Data Encryption
- Standards: 802.11b and 802.11g
- WPA, WPA 2, TKIP, AES and Pre-Shared Key Mode
- Supports Multiple SSID (max. 4)

Many small local offices need a simple solution of making phone calls over the Internet and connecting to the corporate network or the Internet via broadband. Already installed equipment ought to be used furthermore. Simultaneously new possibilities and migration ways should be introduced.

The Solution: ADSL VoIP Gateway DVA-G3342SB

D link takes these requirements into account with the new ADSL VoIP Gateway DVA-G3342SB :

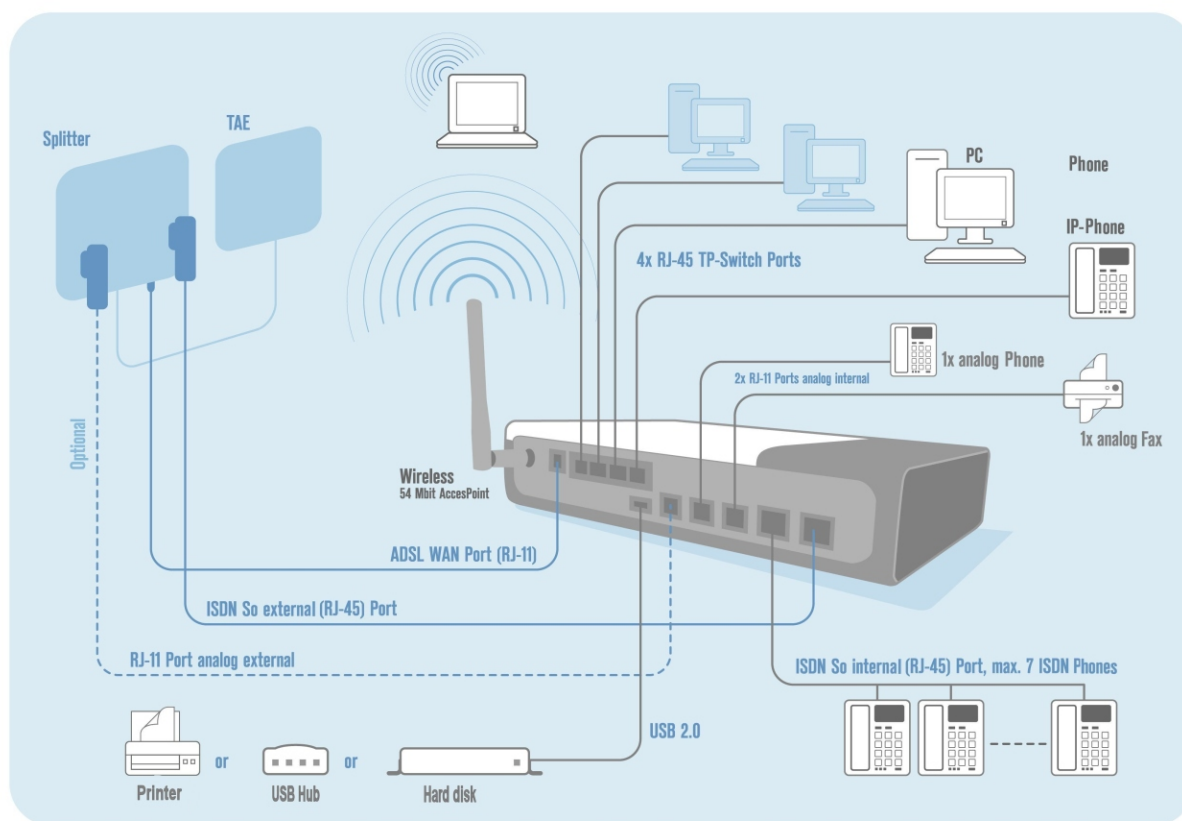
- The DVA-G3342SB is a complete DSL router with all safety relevant functions.
- It offers a complete small business phone installation (SoftPbx) with all necessary qualities and functions at the same time.
- Of course you can connect your notebook computers by WLAN with data encryption.
- Use available analogous and ISDN capable terminals, like telephone, fax, answering machines.
- All existing phone numbers remain unchanged.
- Use VoIP for long distance and international calls.
- The DVA-G3342SB is 100% compatible to all known SIP providers.

Least Cost Routing

Least Cost Routing (LCR) between locations is made possible by the networking of several locations. Phone calls within an enterprise network are possible without further costs, moreover, the most economical exit point (gateway function e.g. into the fixed network) always can be chosen. Also further LCR functions are possible. With IAX2 (optional), a very efficient and moreover NAT compatible protocol (a weakness of SIP), which supports authentication is implemented. The protocol is going to become a standard soon.



How to use (Example)



Information

Analog line: Please connect analog line to port a/b on the Horstbox.

ISDN line: Please connect ISDN line to NTBA and NTBA to port S₀ Extern on the Horstbox.

* Connecting the ISDN line to NTBA is mandatory!

Spezification

Software

- Linux Kernel 2.4
- Asterisk Version 1.0.9.2

Hardware

WAN

- ADSL, ADSL2, ADSL2+
- Downstream: bis zu 24 MBit/s
- Upstream : bis zu 1 MBit/s
- Standards :
 - ANSI T1.413 Issue 2
 - ITU G.992.1 (G.dmt) AnnexB
 - ITU G.992.2 (G.lite) Annex B
 - ITU G.994.1 (G.hs)
 - ITU G.992.3 (G.dmt.bis) Annex B
 - ITU G.992.4 (G.lite.bis) Annex B
 - ITU G.992.5 Annex B

LAN

- 4 Port 10/100 MBit/s
- MDI/MDX Auto sensing

USB

- 1 Port USB 2.0 Master

WLAN

- 54 Mbit WLAN
- 802.11b
- 802.11g

Routing

- Transparent Bridging
- Dynamic Learning
- Encapsulation
- IPv4:
 - TCP/UDP
 - ARP
 - RARP
 - ICMP
- IP Routing
 - RiP v1
 - IP Static Routing
- DHCP
 - Sever & Client
- DNS

ATM/ADSL

- Multiple PVC
- ATM Cell format
- ATM Adaptation Layer
- ATM signaling
- OAM support
- ATM QoS (Traffic Shaping)

PPP Support

- Point-to-Point Protocol
- PPP over ATM
- PPP over Ethernet
- User Authentication

NAT

- NAT/NAPT
- Port Forwarding
- NAT ALGs
- VPN Passthrough
- DMZ

Security

- Filtering
- SPI
- DOS Protection
- QoS

WLAN-AP Functions

- ESS-ID
- MAC- Address-Filter
- 802.1x
- WEP (Wired Equivalent Privacy)

Configuration/Management

- Access control
- WEB-based Management
- HTTP
- SNMP v.1 and v.2c
- SNMP
- Reset
- UPnP 1.0
- Diagnose
- Konfiguration Backup/Restore
- User hierarchy
- Standard user
- Supervisor

Special Applications

- IGMP Proxy
- IGMP Snooping

Voice Features

- CallControl for VoIP:
 - SIP (RFC 3261)
 - H.323 optional
 - MGCP optional
 - SCCP optional
 - OSP optional

SoftPbx

- Blind Transfer
- Call Detail Records
- Call Forward on Busy
- Call Forward on No Answer
- Call Forward Variable
- Call Transfer
- Call Waiting
- Caller ID
- Caller ID Blocking
- Caller ID on Call Waiting
- Dial by Name
- Do Not Disturb
- Fax Transmit and Receive
- Music On Transfer
- Protocol Conversion
- Remote Call Pickup
- Three-way Calling
- Time and Date
- Transcoding
- Visual Indicator for Message Waiting
- MF and DTMF Support

Voice Codecs

- G.711 (a-Law, μ -Law)
- G.726
- GSM
- iLBC
- Speex
- LPCTD

Physical & Environmental

Security/Emission

- CSA
- UL1950, IEC60950, EN60950
- EMC Specification

- CE Class B

- UR-2
- Wi-Fi certified
- FCC part15 Subpart CCE EN 300 328

Environmental

- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 70°C
- Relative Humidity: + 5% to 95% not condensing

D-Link Worldwide Offices

U.S.A

TEL: 1-800-326-1688

FAX: 1-866-743-4905

Canada

TEL: 1-905-8295033

FAX: 1-905-8295223

Europe (U. K.)

TEL: 44-20-8731-5555

FAX: 44-20-8731-5511

Germany

TEL: 49-6196-77990

FAX: 49-6196-7799300

France

TEL: 33-1-30238688

FAX: 33-1-30238689

Netherlands

TEL: 31-10-282-1445

FAX: 31-10-282-1331

Belgium

TEL: 32(0)2-517-7111

FAX: 32(0)2-517-6500

Italy

TEL: 39-02-2900-0676

FAX: 39-02-2900-1723

Sweden

TEL: 46-(0)8564-61900

FAX: 46-(0)8564-61901

Denmark

TEL: 45-43-969040

FAX: 45-43-424347

Norway

TEL: 47-99-300-100

FAX: 47-22-309580

Finland

TEL: 358-9-2707 5080

FAX: 358-9-2707-5081

Spain

TEL: 34-93-4090770

FAX: 34-93-4910795

Portugal

TEL: 351-21-8688493

FAX: 351-21-8688493

Czech Republic

TEL: 420-(603)-276-589

FAX: 41(0)-1-832-11-01

Switzerland

TEL: 41-(0)-1-832-11-00

FAX: 30-210-9916902

Greece

TEL: 30-210-9914 512

Luxemburg

TEL: 32-(0)2-517-7111

FAX: 32-(0)2-517-6500

Poland

TEL: 48-(0)-22-583-92-75

FAX: 48-(0)-22-583-92-76

Hungary

TEL: 36-(0)-1-461-30-00

FAX: 36-(0)-1-461-30-09

Singapore

TEL: 65-6774-6233

FAX: 65-6774-6322

Australia

TEL: 61-2-8899-1800

FAX: 61-2-8899-1868

India

TEL: 91-022-26526696

FAX: 91-022-26528914

Middle East (Dubai)

TEL: 971-4-3916480

FAX: 971-4-3908881

Turkey

TEL: 90-212-289-56-59

FAX: 90-212-289-76-06

Egypt

TEL: 202-414-4295

FAX: 202-415-6704

Israel

TEL: 972-9-9715700

FAX: 972-9-9715601

LatinAmerica

TEL: 56-2-232-3185

FAX: 56-2-232-0923

Brazil

TEL: 55-11-218-59300

FAX: 55-11-218-59322

South Africa

TEL: 27-12-665-2165

FAX: 27-12-665-2186

Russia

TEL: 7-095-744-0099

FAX: 7-095-744-0099 #350

China

TEL: 86-10-58635800

FAX: 86-10-58635799

Taiwan

TEL: 886-2-2910-2626

FAX: 886-2-2910-1515

Headquarters

TEL: 886-2-2916-1600

FAX: 886-2-2914-6299