



## ADSL 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.

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 based on Asterisk™) 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.

## Features

### WAN AND LAN

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

### SoftPbx

- Up to 8 ISDN and up to 2 analog devices
- Up to 8 VoIP accounts
- Call Forwarding for external calls
- Call rules
- Accounts for devices
- Internal calls to all devices

### WLAN

- Data encryption
- 802.11b and 802.11g
- WPA ,WPA 2, TKIP, AES and Pre-Shared Key Mode
- Multiple SSID support (max. 4)



**Physical & Environmental**

**SOFTWARE**

- Linux Kernel 2.4
- Asterisk Version 1.0.9.2

**HARDWARE**

**WAN**

- ADSL, ADSL2, ADSL2+
- Downstream: up to 24 MBit/s
- Upstream : up to 1 MBit/s
- Standards :
  - ANSI T1.413 Issue 2
  - ITU G.992.1 (G.dmt) Annex B
  - 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

**INTERFACES**

- 1\* ISDN internal
- 2\* Analog ports

**CONFIGURATION/MANAGEMENT**

- Access control
- WEB-based management
- HTTP - Sntp
- SNMP v.1 and v.2c
- Factory reset
- UPnP 1.0
- Diagnose
- Configuration Backup/Restore
- User hierarchy:
  - Default user
  - Supervisor

**Security/Emission (EMI)**

- CSA
- UL1950, IEC60950, EN60950
- EMC Specification

**ATM/ADSL**

- Multiple PVC
- ATM Cell format
- ATM Adaptation Layer
- ATM Signaling
- OAM Support
- ATM QoS (Traffic Shaping)

**ROUTING**

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

**PPP SUPPORT**

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

**NAT**

- NAT/NAPT
- Port Forwarding
- NAT ALGs
- VPN Pass-Through
- DMZ

**SECURITY**

- Filtering
- SPI
- DoS Protection
- QoS

**CE Class B**

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

**WLAN-AP FUNCTIONS**

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

**SPECIAL APPLICATIONS**

- IGMP Proxy
- IGMP Snooping

**VOICE FEATURES**

- CallControl for VoIP:
  - SIP ( RFC 3261)

**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,  $\mu$ -Law)
- G.726

**ENVIRONMENTAL**

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

**Order information**

DVA-G3342SC/EU

European version