



2-PORT VoIP TELEPHONE ADAPTER

2 INTERNET PHONE CONNECTIONS

2 FXS ports to connect to 2 analog phones for 2 simultaneous Internet phone calls

SURF INTERNET WHILE MAKING INTERNET PHONE CALLS

Integrated router allows a PC or group of home/office users to logon to the Internet

TOTAL SECURITY & QoS

Firewall and voice VLAN protection, Priority Queues for smooth voice and streaming multimedia over Internet

INTERNET PHONE MADE FOR HOME & SOHO

The D-Link DVG-5121SP 2-port VoIP Telephone Adapter (TA) allows you to take advantage of your DSL/cable modem connection to make inexpensive Internet phone calls. It combines the industry's latest Voice over the IP network technology with advanced communication features, and is compatible with industry-wide phone service. With two FXS phone ports, this VoIP TA connects you to two ordinary phone sets to let you make **two simultaneous phone calls**. It provides a lifeline to relay your outgoing phone calls to PSTN automatically, so your phone connection is guaranteed even when a power down at home or the office occurs, or when your VoIP service is not available.

SUPERIOR VOICE QUALITY

The DVG-5121SP incorporates Quality of Service (QoS) to ensure that voice received through the Internet is the same as or even surpasses that received on the ordinary phone. It supports many useful functions such as call transfer, caller ID display, 3-way conference, phone book, speed dialing and hot lines to make it convenient to dial out or answer phone calls.

SHARE INTERNET ACCESS

The DVG-5121SP integrates a router function into the same box, so you can surf web pages, watch video or play on-line games while making Internet phone calls. You do this by connecting your PC to the LAN of this VoIP TA, or by connecting multiple computers to this LAN port through an Ethernet switch. This device provides priority queues to streamline traffic to let you experience superior video and on-line games.

COMPLETE SECURITY

The DVG-5121SP supports voice VLAN to isolate your voice communication so it cannot be tapped over the network. It provides NAT firewall to protect your network from Internet intruders. For access control, it filters users' packets with port-based, MAC-based and IP-based filters. Parental control allows you to block undesired web sites and set time schedule for Internet logins.

WHAT THIS PRODUCT DOES

Connect the DVG-5121SP to one or two ordinary phone sets, and you can make phone calls anywhere in the world using the Internet. This VoIP TA lets two people make Internet phone calls at the same time. It provides a LAN port, so a PC or multiple computers can logon to the Internet while you're talking over the phone. This built-in router function allows you to enjoy phone service and Internet sharing from a single box.

CLEAR, SMOOTH VOICE OVER THE INTERNET

This VoIP TA let you allocate network resources while guaranteeing Quality of Service (QoS). Network bandwidth management delivers smooth and clear voice communication over the Internet, while increasing productivity and efficiency by tailoring your system to specific demands such as time-sensitive VoIP and multimedia applications.



RJ-45 10/100BASE-TX Ethernet WAN Port To DSL/Cable Modem

RJ-45 10/100BASE-TX Ethernet LAN Port To PC or Ethernet Switch



RJ-11 PSTN Lifeline Phone Port To Phone Line

Reset Button

Power Socket To External Power Adapter

RJ-11 FXS Phone Ports To Telephone Sets

TECHNICAL SPECIFICATIONS

DEVICE INTERFACES

- + 2 RJ-11 FXS phone ports with polarity reversal detection and generation
- + 1 RJ-11 PSTN lifeline phone port
- + 1 RJ-45 10/100BASE-TX WAN port with auto-MDI/MDIX
- + 1 RJ-45 10/100BASE-TX LAN port with auto-MDI/MDIX

WAN ACCESS TYPES

- + PPPoE
- + Static IP address
- + DHCP client
- + PPTP/L2TP client
- + BigPond Cable (for Australia)
- + MAC cloning on WAN port

ROUTER

- + DHCP Server
- + Virtual Server
- + DMZ
- + Static Route protocol
- + DDNS: DynDns.org, Easy DNS, No-IP
- + NAT Traversal: STUN client, UPnP, Outbound Proxy
- + NAT/PAT (RFC1631/RFC3235)
- + Bridge mode support

ROUTER ACCESS SECURITY

- + Port filter
- + IP filter
- + MAC filter

PARENTAL CONTROL

- + URL filter
- + Scheduling

VPN

- + PPTP/L2TP/IPSec pass-through

QoS

- Class-of-service (COS) based on:
 - + 802.1p Priority Queues (8 queues)
 - + IP Precedence
 - + DiffServ

VLAN

- + 802.1Q Tagging
- + Voice VLAN

VoIP

- + SIP ALG Through, NetMeeting ALG
- + SIP and RTP Priority Queuing
- + RTP Packet Summary: sent, received, loss packet count

MANAGEMENT

- + Web-based
- + Telnet
- + Multi-level password controlled administration
- + Remote firmware upgrade via HTTP, TFTP, FTP
- + Built-in PING tool
- + Multi-function reset: reset, restore default
- + TR-069 (include TR-104) (optional)
- + NTP: 3 Time Servers, Time Zone support
- + Reset button

VOICE

- + SIP v2 (RFC3261) compliance
- + SIP METHOD: ACK, BYE, CANCEL, INFO, INVITE, NOTIFY, OPTIONS, PING, PRACK, REFER, REGISTER, SUBSCRIBE, UPDATE
- + SIP Extension: Session Timer, Proxy-Require, P-Asserted (RFC3325), MWI (RFC3842)

- + Voice Compression: G.711 a/u-law, G.726, G.729A/AB, iLBC, G.723.1 (optional)
- + CNG and VAD
- + Silence detection/suppression
- + G.168 echo cancellation
- + Adaptive jitter buffer
- + Programmable gain control
- + In-band DTMF
- + Out-of-band DTMF relay (RFC2833)
- + DTMF/Pulse dial support
- + Termination impedance: 600/900-ohm complex Impedance
- + Failover SIP Proxy server registrations

FAILSAFE MECHANISM

- Automatic switching from FXS Relay to PSTN under the following conditions:
- + Internet network failure
 - + Service unavailable
 - + Power loss

FAX

- + T.30 FAX pass through
- + T.38 real time FAX relay

CALL FEATURES

- + Call Hold, Call Waiting, Call Pickup
- + Call Forward: Unconditional, Busy, No Answer
- + Call Transfer: Unattended, Attended
- + Speed Dialing, Repeat Call on Busy, 3Way Conference Call
- + Caller ID: DTMF, FSK-Bell core, FSK-ETSI detection and generation, Japan CLIP/JCLIP, BT
- + Pound Key
- + Hunting number support
- + Telephone book
- + E.164 numbering
- + Hot line

DIAGNOSTIC LEDs

- + Power
- + Provision
- + WAN
- + LAN
- + Phone 1 (FXS Port)
- + Phone 2 (FXS Port)

DIMENSIONS

90 x 82 x 31 mm
(3.54 x 3.23 x 1.22 inches)

WEIGHT

152 grams (0.335 lb)

POWER REQUIREMENT

12VDC 1.2A

POWER INPUT

Through 100VAC to 240VAC 50/60Hz,
0.7A external power adapter

OPERATING TEMPERATURE

-10° to 40° C (-14° to 104° F)

STORAGE TEMPERATURE

-20° to 60° C (-4° to 140° F)

OPERATING HUMIDITY

10% to 90% non-condensing

STORAGE HUMIDITY

5% to 95% non-condensing

EMISSION (EMI) CERTIFICATIONS

- + FCC Class B
- + CE
- + C-Tick

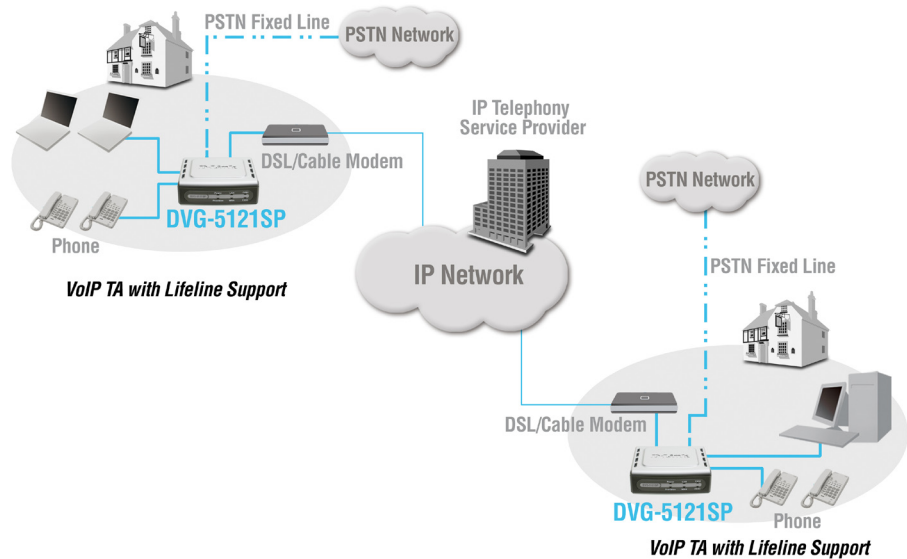
TELECOM CERTIFICATIONS

- + FCC PART 68
- + CE TBR21
- + A-Tick

SAFETY CERTIFICATIONS

CAS International

YOUR INTERNET PHONE SETUP



D-Link Worldwide Offices

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