Make Regular & VoIP Calls Using The Same Phone

DVG-2101SP

INTERNET PHONE CONNECTION
FXS port to connect to an analog phone for Internet phone calls

SMOOTH, QUALITY VOICE
VLAN and prioritised voice traffic for smooth and secure voice communication over the Internet

SAVE MONEY ON PHONE CALLS
Make phone calls anywhere in the world at little or no charge using the Internet

INTERNET PHONE ADAPTER MADE FOR HOME & SOHO
The D-Link DVG-2101SP 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 services. This VoIP TA connects you to an ordinary phone handset to let you make phone calls.

SUPERIOR VOICE QUALITY
The DVG-2101SP incorporates Quality of Service (QoS) to ensure that voice received through the Internet is the same as or even surpasses that received on your 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 quick, easy and convenient to dial out or answer phone calls.

COMPLETE SECURITY
The DVG-2101SP supports voice VLAN to isolate your voice communication so it cannot be tapped into over the network. It also provides a PSTN lifeline phone port to relay your outgoing phone calls to PSTN in the case of a power outage, or when your Internet service is not available. This guarantees that your phone connection will always be available.
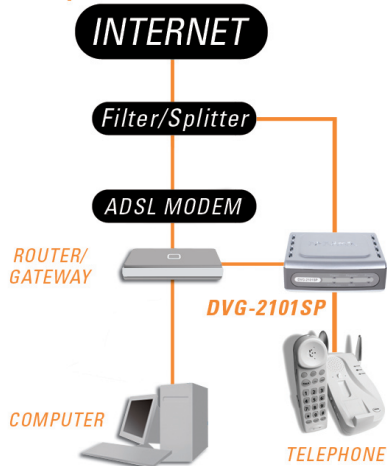
VOICE OVER IP

WHAT THIS PRODUCT DOES

Connect the DVG-2101SP to an ordinary phone handset, and you can make phone calls anywhere in the world using the Internet. This VoIP TA saves you phone charges by letting you make phone calls to anywhere at no or little charge. It provides a PSTN lifeline so your phone connection will always be available even when a power outage or Internet disconnection occurs.
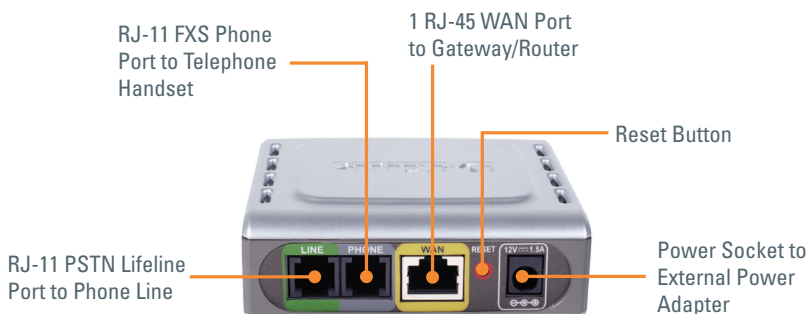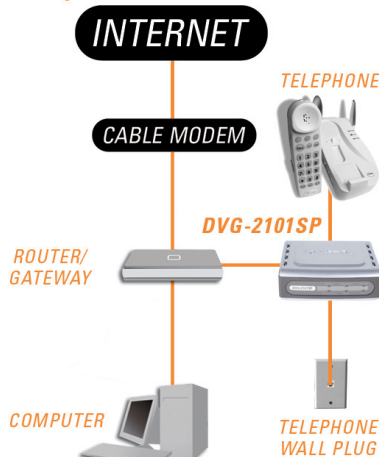
CLEAR, SMOOTH VOICE OVER THE INTERNET

This VoIP TA lets 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-11 FXS Phone Port to Telephone Handset

1 RJ-45 WAN Port to Gateway/Router

Reset Button

RJ-11 PSTN Lifeline Port to Phone Line

Power Socket to External Power Adapter

YOUR NETWORK SETUP

Option 1 (ADSL)

INTERNET

Filter/Splitter

ADSL MODEM

ROUTER/ GATEWAY

DVG-2101SP

COMPUTER

TELEPHONE

Option 2 (Cable)

INTERNET

TELEPHONE

CABLE MODEM

DVG-2101SP

ROUTER/ GATEWAY

COMPUTER

TELEPHONE WALL PLUG

TECHNICAL SPECIFICATIONS

DEVICE INTERFACES
+ RJ-11 FXS phone ports
  Polarity reversal detection and generation (optional)
+ RJ-11 PSTN lifeline phone port
+ RJ-45 10/100BASE-TX WAN port with auto-MDI/MDIX

WAN ACCESS TYPES
+ PPPoE
+ Static IP address
+ DHCP client
+ PPTP/L2TP client
+ MAC cloning on WAN port

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

VLAN
+ 802.1Q Tagging
+ Voice VLAN (optional)

VoIP
+ SIP ALG Through
+ 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
+ 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 (optional)
+ Termination impedance: configuration (optional)
+ 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, FSKETSI detection and generation, Japan CLIP/ JCLIP, BT
+ Dial Prefix
+ Hunting number support
+ Telephone book
+ E.164 numbering
+ Hot line

DIAGNOSTIC LEDs
+ Power
+ Provision

+ WAN
+ Line
+ Register
+ Phone (FXS Port)

DIMENSIONS
90 x 82 x 31 mm

WEIGHT
115 grams

POWER REQUIREMENT
12VDC 1.5A

POWER INPUT
Through 100VAC to 240VAC 50/60Hz, external power adapter

OPERATING TEMPERATURE
-0˚ to 40˚ C

STORAGE TEMPERATURE
-20˚ to 60˚ C

OPERATING HUMIDITY
10% to 90% non-condensing

STORAGE HUMIDITY
5% to 95% non-condensing

EMISSION (EMI) CERTIFICATIONS
+ FCC Class B
+ CE

TELECOM CERTIFICATIONS
+ FCC PART 68
+ CE TBR21

SAFTETY CERTIFCATIONS
(CE) LVD

1 You must choose an Internet (VoIP) Phone Service Plan and sign up for service. VoIP phone plans, rates, and features may vary depending on VoIP Phone Service Provider. D-Link Australia Pty Ltd is not a Telephone Service Provider or VoIP Phone Service Provider.
2 Making and receiving VoIP calls requires a high-speed Internet connection.

Note that an electrical power outage or a Broadband provider outage will disrupt Internet access and prevent the user from making or receiving calls on the Telephone Adapter using VoIP, including for emergency purposes (e.g. calling 000). 000/emergency number service using this phone is provided by the Internet Telephone Service Provider and operates differently from traditional 000/emergency number services. Please contact your service provider for 000/emergency number. In the occurance of a power failure/outage the Telephone Adapter will switch to the Regular Phone line to allow for inbound and outbound calls.

PSTN Failover port is solely used for outgoing calls and cannot recieve calls from PSTN line.

Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted. Not a replacement for home phone service.

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VOICE OVER IP