

Wireless ADSL Router *with VoIP functionalities*

VoiceGATE Plus

- ADSL 2/2+ up to **24 Mbps**
- **SIP 2.0** Standard VoIP support
- **2 FXS** ports
- **WEB** based local and remote configuration

DESCRIPTION

VoiceGATE Plus is an **ADSL Router** with built-in **VoIP**, **Wireless** and **Firewall** functionalities.

It is available with **two geographic interfaces** (WAN), **ADSL** or **Ethernet**.

VoiceGATE Plus supports the **ADSL2/2+ standard** to surf the Internet in downstream **up to 24 Mbps** and in upstream up to 1 Mbps. Furthermore the ADSL connection up to 8 Mbps in downstream is possible.

Thanks to the high speed, you can also access the new multimedia services, games, video streaming and real time audio.

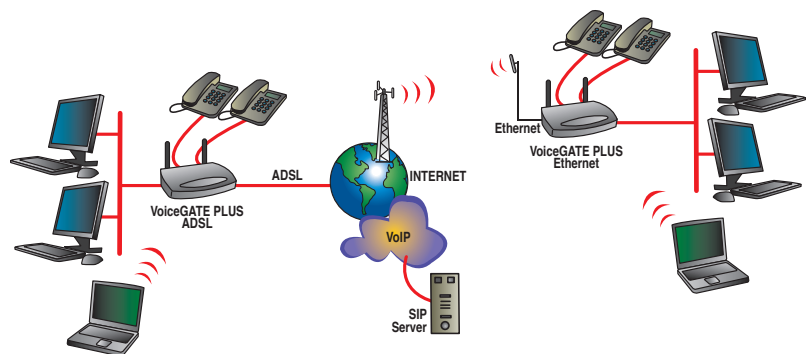
VoiceGATE Plus supports the **SIP protocol** (Session Initiation Protocol), the most popular VoIP protocol, that guarantees a larger interoperability with IP Telecom Operators and with other VoIP gateway and equipments.

It integrates **two FXS analog ports** (for the phone connection) that allow **two VoIP calls simultaneously**.

Additionally there is an **FXO port** for emergency calls and back-up on the PSTN line in case the ADSL or VoIP service is not available.

VoiceGATE Plus supports the **Voice supplementary services**: call waiting, caller ID and call transfer.

Free wireless surfing thanks to the 802.11g (54Mbps) and 802.11b (11Mbps) **built-in Wireless Access Point**. The **WPA** and **64/128 bit WEP encryptions** ensure secure radio transmissions.



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VoiceGATE Plus Ethernet supports also the **PPPoE** and the **VLAN tagging** (802.1pQ). The VLAN tagging distinguishes the type of traffic to the Provider (for example the management traffic from the data and voice traffic).

The **Quality of Service** (QoS) gives priority to the main services like VoIP.

The browsing is secured by the **Firewall Stateful Packet Inspection function** (SPI) that protects from DoS attacks and supports the **Packet Filtering** (port control, Source IP, Addressee IP, MAC address).

VoiceGATE Plus has a **built-in 10/100 Ethernet switch** to directly connect the PCs of your LAN. 4 ports available for the ADSL version and 3 ports for the Ethernet one (the fourth port is for the WAN).

VoiceGATE Plus can be **local and remote configured** through **command line** and via **web browser**.

TECHNICAL FEATURES

ADSL and supported protocols

- Supported standards: ADSL2+, G.dmt.bisplus (ITU G.992.5), ADSL2 G.dmt.bis (ITU G.992.3), Full-rate ANSI T1.413 Issue 2, G.dmt (ITU G.992.1), G.hs (ITU G.994.1)
- ATM Adaptation Layer Type 5 (AAL5)
- Multiple Protocol over AAL5 (RFC 2684, formerly RFC 1483)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- RFC 2684, formerly (RFC 1483)
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- Classical IP over ATM (RFC 1577)

Network functionalities

- Supports DHCP Server/Client
- NAT, static routing e RIP-1/2
- Dynamic Domain Name System (DDNS)
- Virtual Server e DMZ, SNTP, DNS relay
- QoS, ToS support
- VLAN tagging (802.1pQ).
- PPPoE supported on the ethernet version

VoIP

- Standard SIP 2.0 (RFC3261) support
- 2 FXS ports for the connection of analog phones
- 1 FXO port for back-up on PSTN line
- Codec audio G.711 A/m law, G.729 support
- Voice supplementary services support: call waiting, caller ID, call transfer
- Silence suppression, VAD (voice activity detection), CNG (Comfort Noise Generation) and echo cancellation support
- Back-up over PSTN

Wireless 802.11g

- Standard IEEE 802.11g and 802.11b
- Wireless speed up to 54 Mbps
- 64/128WEP and WPA encryption

Firewall

- Stateful Packet Inspection (SPI)
- DoS attacks protection
- Packet Filtering, URL Content

Management

- Local and remote configuration-management via command line
- Web based firmware upgrade
- SNMP configuration support

Hardware

- Factory default reset button
- Size: 24 x 19 x 5 cm
- Power supply: 12V DC, 1.2A
- CE Mark

Available Versions

| VoiceGATE PLUS | ADSL | Ethernet | VoIP 2Fxs+1Fxo | Wireless |
|-------------------------|------|----------|----------------|----------|
| VoiceGATE PLUS A2+ WiFi | Yes | No | Yes | Yes |
| VoiceGATE PLUS Eth WiFi | No | Yes | Yes | Yes |



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