



PRODUCT DATA

WellGate 2608 8-port VoIP FXS Gateway

Higher Capability VoIP FXS Gateway for
Large-Scale deployment and management,
Enhance your service,
Advance your Business.



Welltech Computer Co., Ltd. was founded in 1988 in Taipei, Taiwan with the aim of linking people and the technologies, and has been an integral part of the community for over a decade. Our company is committed to promoting better Communications and Networking solutions to our customers through our strong knowledge and expertise in Voice over IP.

As the leading company in VoIP in Taiwan and with years of experience in H.323 and SIP protocol, Welltech has successfully developed FXO and FXS gateways, IP-Phone, E1/T1 Trunk gateway, SIP Proxy Server, Value added service server, USB phone and softphone and become a VoIP expert.

The voice quality and total solution providing ability are the reason why Welltech VoIP products are very popular in the market. From CPE side small gateways to CO side Solution, Welltech provided total VoIP solution to SOHO, multi-national corporations (MNCs), ITSP and carrier market. The new product, router integrated with voice over IP functions that support SIP protocol, is compliance with future communication trade.

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Introduction

The WellGate 2608 is an 8-ports FXS VoIP gateway to connect 8 analog phones (POTS) and includes 1-WAN/4-LAN 10/100 base-T NAT router for diverse network environment. Field-proven quality of Voice communication and Fax transmission over IP broadband access network to make WellGate 2608 be an excellent solution for various VoIP applications.

Benefits

- **Higher Capability VoIP FXS Gateway**
Build-in 8 ports FXS for large-scale deployment and management.
- **Enhanced VoIP service**
Designed 1 WAN, and 4 LAN for diverse networking environment.
Provide Call Detail Record, to extend the service into enterprise client, Call-Shop, Apartment, etc.
- **Advanced Enterprise Business**
Bundle with SIP-PBX 6200 series IP-PBX, to advance your business and free-talk over internet.
- **Ideally suited for Enterprise use, rich-features are designed to interwork with IP-PBXs for small and middle enterprises.**
- **Carrier-grade features are supported and tested to be fully interoperable with leading Soft-Switches.**
- **Interoperability tested with marketing leading IP-PBX**
Be tested with marketing leading IP-PBX, such as Alcatel, Lucent, Siemens etc.

Physical Interface

- Ethernet port (RJ-45, 10/100 base-T)
- 1-WAN port, for connect to router, ADSL modem (ATU-R), or switch hub directly.
 - 4-LAN port, for PC or other network devices connecting.
- Telephony port (RJ-11)
- 8-FXS ports, to connect with analog phone (POTS)
- Reset button (Factory Default)
AC power Jack
Status indicated LED
Indicates Ethernet, FXS, and SIP system status

Specification

- IP Network connection**
- IPv4 (RFC 791)
 - MAC Address (IEEE 802.3)
 - PPPoE Client (RFC 2516)
 - DNS Client
 - DHCP Client (RFC 2131)
 - DHCP Server (RFC 2131)
 - NAT (RFC 1631)
 - TCP/UDP (RFC 793/768)
 - ICMP (RFC 792)
 - RTP/RTCP (RFC 1889/1890)
 - SNTP (RFC 2030)
 - TFTP Client
 - Telnet Server
 - HTTP Server
 - QoS: DiffServ (RFC 2475) / ToS (RFC 791/1349)

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IP Telephony (VoIP)

SIPv2 (RFC 3261)

- Session Timer (RFC 4028)
- Outbound proxy setting for increasing Performance, Productivity, and security.
- SIP proxy redundancy- Setting Primary and Secondary proxy by IP or URI.

Voice Codecs

- G.711 (a-Law/u-Law)
- G.723.1: 6.3k bits
- G.729A
- G.729

VAD – Voice Activity Detection with Silence Suppression

CNG – Comfortable Noise Generation

Silence Suppression

Echo Cancelation (G.165/G.168)

Signaling Protocol: Loop Start

Jitter Buffer – Adaptive & Configurable

Packet Loss Compensation - increasing voice quality

DTMF: In-band, Out-of-band (RFC 2833), and SIP-Info

Caller ID Generation – FSK/DTMF/ETSI (Before ringing)
/ETSI (Between ringing)

FAX transmission:

- G.711 pass-through
- T.38 Fax relay

Tone Generation:

- Ringing Tone
- Ring Back Tone
- Dial Tone
- Programmable Tone

Call Features

- Call Hold
- Call Transfer (Blind & consultant)
- Call Forward (Unconditional / No Answer / Busy)

MWI – Message Waiting Indication

IP line hunting

Adjustable volume level

Security

HTTP 1.1 basic/digest authentication for WEB access

MD5 for SIP authentication (RFC 2069/2617)

Password protected Admin access authority

Setting and Maintenance

Configure & Update method

- Web Browser (HTTP)
- Telnet
- FTP/TFTP

Voice announcement of IP address

Model No. WG-2608

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Environmental

Dimension: 35 x 242 x 160 mm (Desktop)

Weight: 0.935kg (unit)

Operating Temp. & Humidity

- Temp.: 0°C~45°C (32°F~113°F)

- Humidity: 10%~85% relative humidity, non-condensing

Storage Temp. & Humidity

- Temp.: 0°C~55°C (32°F ~131°F)

- Humidity: 10%~95% relative humidity, non-condensing

AC Power Adaptor:

- INPUT: AC100V~240V, 50/60Hz

- OUTPUT: DC 12V, 3.0A

Regulatory: FCC (Part 15, Class B) & CE Processing

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To save your international communication cost between HQ and multiple branch offices

Setup WG-2608 both Headquarter and Branch, using existed analog phone, and bundle with WELLTECH IP-PBX SIP-PBX 6200/6200S/6200GS series.

Support up-to 12 multi-office(1HQ+11Branch) with different language greeting, time zone, and auto-attendant flow

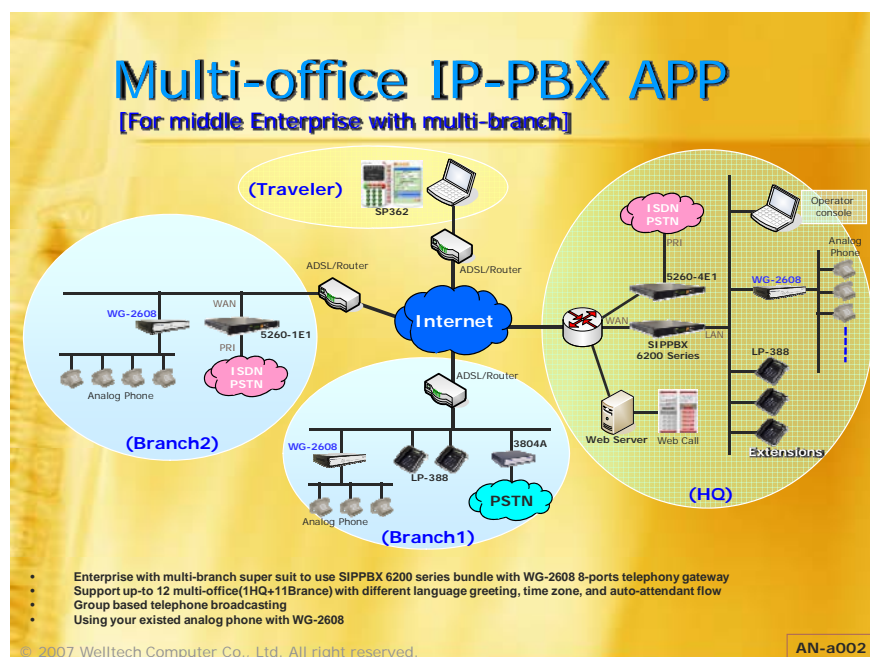
Group based telephone broadcasting for both HA and Branch

Disclaimer

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	WG-2608	WG-2680	WG-2644	WG-2604	WG-2640
WAN	1	1	1	1	1
LAN	4	4	4	4	4
FXO	0	8	4	0	4
FXS	8	0	4	4	0

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