WELLTECH

WellGate 5250

A SIP/H.323 Dual VoIP Trunk Gateway to Protect Your Investment

Dual SIP/H.323

WellGate 5250 is a cost effective solution for VoIP trunk gateway supporting one-, two-, or four-port T1/E1 VoIP trunks that provides voice and fax over IP network. It supports ITU-T H.323 V3, SIP RFC 2543/3261, SNMP V2, Call Detail Record, WEB management and other useful functions to meet customer requirements.

The built-in enhanced IVR (Interactive Voice Response) and Billing Service of WellGate 5200 is suitable for prepaid and postpaid service.It can rapidly provide value added service for customers.

Key Features

- Dual SIP/H.323 co-existing
- ITU-T H.323 v3 and H.450 compliance
- SIP RFC 2543/3261 standard compliance
- PSTN signaling: ISDN/PRI, CAS (MFC R2, MFC R1, E&M)
- Mixed SIP, Gatekeeper and P2P calls
- Support H.323 Gatekeeper register, direct and route calls
- Support SIP outbound proxy, redirect and register server
- Built-in phone book and prefix routing for SIP and H.323 P2P calls
- Support H.323 fast connect, early H.245 and H.245 tunneling
- Support H.323 and SIP early media
- Support RADIUS authorization and billing message
- Intelligent PSTN call routing and in-trunk hunting
- Flexible digit manipulation plan

- Support access control by ANI, DNIS, IP, Gatekeeper only, proxy only or RADIUS
- Behind NAT friendly for SIP calls
- Inband and out of band DTMF transmission
- SIP/H.323 T.38 fax relay up to 14400 bps
- Dynamic call treatment based on DNIS,ANI or collected DTMF
- Built-in IVR & call-flow controller
- CISCO compatible
- Web-based graphic announcement edit and management
- Multiple configuration saving
- Provides CDR (Call Detail Recording)
- Built-in internal user authentication for prepaid & postpaid users
- SIP and H.323 signal conversion

Technical Specification

Interface

- Two 10/100MB Ethernet Ports (Host & VoIP stream)
- Up to 4 T1/E1 (balanced 120 Ohm-RJ48C connectors)
  75 Ohm needs external 3rd party BNC/RJ-48C adapter cables

Protocol and Standard

- ITUT H.323 v3 and H.450 compliance
- SIP RFC 2543/3261 compliance

Audio Feature

- Codec -- G.711 A/μ-Law, G.723.1 (5.3K/6.3K), G.729A
- Support G.168 echo cancellation
- Configurable audio payload size & adaptive jitter buffer
- Support silent suppression for G.729A, G.723
- VAD (Voice Activity Detection)
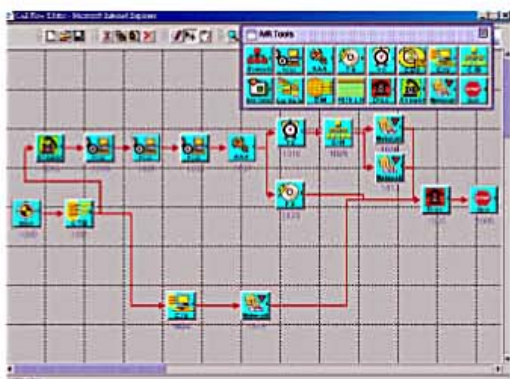- CNG (Comfort Noise Generate)

DTMF Transmission

- Transparent
- H.245 signal/alphanumeric
- H.323 Q.931
- RFC 2833
- SIP INFO

FAX Support

- Automatic voice/fax detection
- T.38 fax relay based on H.323 Annex D
- SIP T.38 fax relay
- Up to G3 FAX
- ECM Support
- Redundant T.38 packet (0-2)
- CISCO compatible

Built-in IVR & call-flow controller

- Web-based GUI Drag and Drop interface
- Full control of call behavior (one-stage or two-stage dialing)
- IVR functions
- Support time duration play back (Chinese & English)
- Powerful call information branch
- Collected information validation
- Active disconnect & reconnect without hang up
- Selected disconnect cause code & behavior

Management Feature

- OS and program can be upgraded
- Console port: RS-232 port
- TELNET
- Full Web management interface & real time monitor
- Front panel LCD
- SNMP v2 (H.341) and SNTP v4 support
- User account management
- Time zone and day light saving support
- Support Fixed IP and DHCP
- Support DNS and Dynamic DNS

LED & LCD indicators for system status

- POWER: Power/storage access indication
- Front panel LCD (2 lines X 16) status display
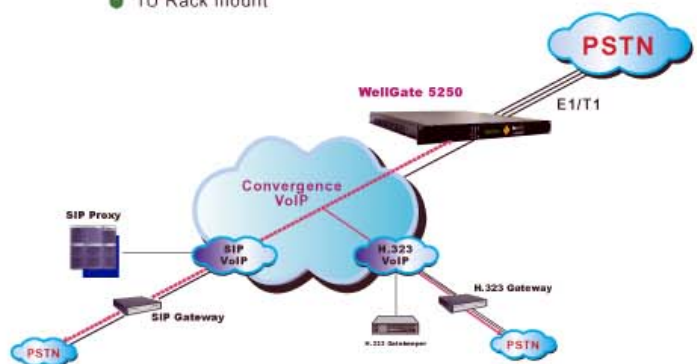
Power

- 90~240V auto switch

Environmental

- Operation temp: 0°C to 60°C
- Relative humidity: 5% to 95%

Certification

- CE, FCC, EMI

Dimensions

- 483mm(L)*450mm(W)*44mm(H)
- 1U Rack mount

Order Information:

Model Number	Configuration
WellGate 5250-1	One E1/T1 trunk
WellGate 5250-4	Four E1/T1 trunk