

# WellGate 3701B / 3702B (FXS+FXO)

WellGate 3701B/3702B is a one-port/two-port FXS + FXO gateway and support H.323 v2/v3/v4 or SIP RFC 3261 protocol. It supports an innovative intelligent call routing function that transparently routes calls to destination either through PSTN or internet. WellGate 3701B/3702B provides Voice over IP and FAX over IP services for ITSP / ISP (Internet Telephony Services Provider) and Office / SOHO IP-PBX application.

## Benefits

- Easy access to IP from phone set or PBX
- Cost Saving - Telephone call from VPN or public Internet
- Follows the existing telephone call dial plan
- Easy interface to ADSL/Cable Modem or Leased line equipment
- Easy to integrate with all kinds of IP-PBXs



## Specification

	H.323 Version	SIP version
Protocol	● ITU-T H.323 v2/v3/v4 compliance	● SIP RFC3261
Compatible Server	● GnuGK(Behind NAT)	● OpenSER, Asterisk
Telephony Features	● Call Hold, Call Transfer, Call Forward (H.450)	● Call Hold ● Call Transfer ● Call Forward
FAX Support	<ul style="list-style-type: none"> <li>● Automatically FAX detection</li> <li>● Group 3 Fax relay at 2.4 - 14.4 kbps</li> <li>● Support T.38 protocol</li> <li>● Support T.38 ECM: Error correction during the high speed mode</li> <li>● Support T.38 FAX Redundancy Depth</li> <li>● Support Abstract Syntax Notation 1 (ASN.1)</li> <li>● G.711 FAX Mode</li> </ul>	<ul style="list-style-type: none"> <li>● Automatically FAX detection</li> <li>● Group 3 Fax relay at 2.4 - 14.4 kbps</li> <li>● Support T.38 protocol</li> <li>● Support T.38 ECM: Error correction during the high speed mode</li> <li>● Support T.38 FAX Redundancy Depth</li> <li>● Support Abstract Syntax Notation 1 (ASN.1)</li> <li>● G.711 FAX Mode</li> </ul>
Audio Codec Support	● G.711A/μ-law, G.723.1, G.729A, G.729 G.729B, G.729AB	● G.711A/μ-law, G.723.1, G.729A, G.729 G.729B, G.729AB
Network Interface	● Two 10/100Base-T Ethernet RJ-45 port	● Two 10/100Base-T Ethernet RJ-45 port
FXS Interface	<ul style="list-style-type: none"> <li>● One Telephone (FXS) RJ-11 port for WellGate 3701B</li> <li>● Two Telephone (FXS) RJ-11 ports for WellGate 3702B</li> </ul>	<ul style="list-style-type: none"> <li>● One Telephone (FXS) RJ-11 port for WellGate 3701B</li> <li>● Two Telephone (FXS) RJ-11 ports for WellGate 3702B</li> </ul>
FXO Interface	<ul style="list-style-type: none"> <li>● One Analog PSTN (FXO) RJ-11 port for WellGate 3701B</li> <li>● Two Analog PSTN (FXO) RJ-11 ports for WellGate 3702B</li> </ul>	<ul style="list-style-type: none"> <li>● One Analog PSTN (FXO) RJ-11 port for WellGate 3701B</li> <li>● Two Analog PSTN (FXO) RJ-11 ports for WellGate 3702B</li> </ul>
FXS Features	<ul style="list-style-type: none"> <li>● Support auto-attendant (Tone or voice greeting)</li> <li>● PSTN polarity reversal detection</li> </ul>	<ul style="list-style-type: none"> <li>● Support auto-attendant (Tone or voice greeting)</li> <li>● PSTN polarity reversal detection</li> </ul>

	<ul style="list-style-type: none"> <li>● Provide 2nd dial tone to PSTN</li> <li>● Disconnect tone detection</li> </ul>	<ul style="list-style-type: none"> <li>● Provide 2nd dial tone to PSTN</li> <li>● Disconnect tone detection</li> </ul>
FXO Features	<ul style="list-style-type: none"> <li>● Support auto-attendant (Tone or voice greeting)</li> <li>● PSTN polarity reversal detection</li> <li>● Provide 2nd dial tone to PSTN</li> <li>● Disconnect tone detection</li> </ul>	<ul style="list-style-type: none"> <li>● Support auto-attendant (Tone or voice greeting)</li> <li>● PSTN polarity reversal detection</li> <li>● Provide 2nd dial tone to PSTN</li> <li>● Disconnect tone detection</li> </ul>
Voice	<ul style="list-style-type: none"> <li>● VAD (Voice Activity Detection)</li> <li>● CNG (Comfort Noise Generation)</li> <li>● AEC (Acoustic Echo Cancellation) -- G.168/165</li> <li>● Dynamic Jitter Buffer</li> <li>● Completed voice band signaling support</li> <li>● Provide In-band or Out-band DTMF generation/detection</li> </ul>	<ul style="list-style-type: none"> <li>● VAD (Voice Activity Detection)</li> <li>● CNG (Comfort Noise Generation)</li> <li>● AEC (Acoustic Echo Cancellation) -- G.168/165</li> <li>● Dynamic Jitter Buffer</li> <li>● Completed voice band signaling support</li> <li>● Provide In-band or Out-band DTMF generation/detection</li> </ul>
QoS	<ul style="list-style-type: none"> <li>● QoS by setting DSCP (Differentiated Service Code Point) parameters of VoIP packet</li> </ul>	<ul style="list-style-type: none"> <li>● QoS by setting DSCP (Differentiated Service Code Point) parameters of VoIP packet</li> </ul>
Caller ID	<ul style="list-style-type: none"> <li>● FSK(Bellcore)/DTMF detection and generation</li> </ul>	<ul style="list-style-type: none"> <li>● FSK(Bellcore)/DTMF detection and generation</li> </ul>
Console Port	<ul style="list-style-type: none"> <li>● 1 D-SUB 9 pin RS-232 port</li> </ul>	<ul style="list-style-type: none"> <li>● 1 D-SUB 9 pin RS-232 port</li> </ul>
Tone	<ul style="list-style-type: none"> <li>● Provide call progress tone</li> </ul>	<ul style="list-style-type: none"> <li>● Provide call progress tone</li> </ul>
Network Support	<ul style="list-style-type: none"> <li>● Support Fixed IP and DHCP</li> <li>● PPPoE</li> <li>● Behind NAT Router or IP sharing device</li> </ul>	<ul style="list-style-type: none"> <li>● Support Fixed IP and DHCP</li> <li>● PPPoE</li> <li>● Behind NAT Router or IP sharing device</li> </ul>
Configuration & Management	<ul style="list-style-type: none"> <li>● Console port, TELNET and Web Browser configuration</li> </ul>	<ul style="list-style-type: none"> <li>● Console port, TELNET and Web Browser configuration</li> </ul>
System Upgrade	<ul style="list-style-type: none"> <li>● TFTP/FTP software upgrade</li> </ul>	<ul style="list-style-type: none"> <li>● TFTP/FTP software upgrade</li> </ul>
Power	<ul style="list-style-type: none"> <li>● Input AC 100V~240V Output DC12V.</li> </ul>	<ul style="list-style-type: none"> <li>● Input AC 100V~240V Output DC12V.</li> </ul>
Operation Temp	<ul style="list-style-type: none"> <li>● 5° C to 40° C</li> </ul>	<ul style="list-style-type: none"> <li>● 5° C to 40° C</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>● 10% to 90% (Non-condensing)</li> </ul>	<ul style="list-style-type: none"> <li>● 10% to 90% (Non-condensing)</li> </ul>
Dimension and Weight	<ul style="list-style-type: none"> <li>● Dimension: 223mm(W) x 35mm(H) x 152mm(D)</li> <li>● Weight (unit): 1.5 kg</li> </ul>	<ul style="list-style-type: none"> <li>● Dimension: 223mm(W) x 35mm(H) x 152mm(D)</li> <li>● Weight (unit): 1.5 kg</li> </ul>

