

# WellGate 3802/3804/3806 (FXO)

WellGate 3802/3804/3806 is a two/four/six-FXO-port Gateway connecting to local PSTN, which represents an interface to access PSTN with IP-PBX solution. WellGate 3802/3804/3806 provides voice and fax over IP services with H.323 v2/v3/v4 or SIP protocol. By connecting with your existing ADSL or cable Modem service. Which allows the use of a single network for voice and fax services with consequent saving in network infrastructure and greatly reduced telephone charges. Ideal solution for providing low cost communications between headquarters and branch offices in the world, as well as for SOHO and office telephony applications.

## Benefits

- Easy access to PSTN from IP
- Cost saving - save long and international call expense by using IP network.
- No extra investment - just take advantage of existing Ethernet LAN and IP environment.
- Easy interface with Cable Modem, ADSL Modem and Leased Line equipment
- Easy integrated 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	● Provide T.38/FAX and voice Auto-Switching	● Provide T.38/FAX and voice Auto-Switching
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	● A 10BaseT Ethernet RJ-45 port	● A 10BaseT Ethernet RJ-45 port
FXO Interface	● Two Analog PSTN (FXO) RJ-11 port for WellGate 3802 ● Four Analog PSTN (FXO) RJ-11 port for WellGate 3804 ● Six Analog PSTN (FXO) RJ-11 port for WellGate 3806	● Two Analog PSTN (FXO) RJ-11 port for WellGate 3802 ● Four Analog PSTN (FXO) RJ-11 port for WellGate 3804 ● Six Analog PSTN (FXO) RJ-11 port for WellGate 3806
Voice Quality	● VAD (Voice Activity Detection) ● CNG (Comfort Noise Generation) ● G.168/165-compliant adaptive echo cancellation ● Dynamic Jitter Buffer ● Bad Frame Interpolation ● Completed voice band signaling support ● Receive Caller ID (DTMF or FSK) from PSTN	● VAD (Voice Activity Detection) ● CNG (Comfort Noise Generation) ● G.168/165-compliant adaptive echo cancellation ● Dynamic Jitter Buffer ● Bad Frame Interpolation ● Completed voice band signaling support ● Receive Caller ID (DTMF or FSK) from PSTN

	<ul style="list-style-type: none"> <li>● Provide Inbound or Outbound DTMF generation/detection between LAN and PSTN interface</li> <li>● Gain/Attenuation Settings</li> </ul>	<ul style="list-style-type: none"> <li>● Provide Inbound or Outbound DTMF generation/detection between LAN and PSTN interface</li> <li>● Gain/Attenuation Settings</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>● Caller ID (FSK) detection</li> </ul>	<ul style="list-style-type: none"> <li>● Caller ID (FSK) detection</li> </ul>
Console	<ul style="list-style-type: none"> <li>● Asynchronous Console RS-232C DB-9 connector</li> </ul>	<ul style="list-style-type: none"> <li>● Asynchronous Console RS-232C DB-9 connector</li> </ul>
Tone	<ul style="list-style-type: none"> <li>● DTMF detection/generation</li> <li>● DTMF Dialing</li> <li>● Support auto-attendant (tone or voice greeting)</li> <li>● Provide 2nd dial tone to PSTN</li> </ul>	<ul style="list-style-type: none"> <li>● DTMF detection/generation</li> <li>● DTMF Dialing</li> <li>● Support auto-attendant (tone or voice greeting)</li> <li>● Provide 2nd dial tone to PSTN</li> </ul>
Network Support	<ul style="list-style-type: none"> <li>● 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>● 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, Welltech Installation Wizard and Web Browser</li> </ul>	<ul style="list-style-type: none"> <li>● Console port, TELNET, Welltech Installation Wizard and Web Browser</li> </ul>
Upgrade	<ul style="list-style-type: none"> <li>● Firmware upgrade through network by TFTP/FTP</li> </ul>	<ul style="list-style-type: none"> <li>● Firmware upgrade through network by TFTP/FTP</li> </ul>
Power	<ul style="list-style-type: none"> <li>● AC power input outlet</li> <li>● AC power switch</li> </ul>	<ul style="list-style-type: none"> <li>● AC power input outlet</li> <li>● AC power switch</li> </ul>
Certification	<b>For WellGate 3802/3804 :</b> <ul style="list-style-type: none"> <li>● CE Class B, LVD</li> </ul>	<b>For WellGate 3802/3804 :</b> <ul style="list-style-type: none"> <li>● CE Class B, LVD</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: 221mm(W) x 42mm(H) x 217mm(D)</li> <li>● Weight (unit): 1.4 kg</li> </ul>	<ul style="list-style-type: none"> <li>● Dimension: 221mm(W) x 42mm(H) x 217mm(D)</li> <li>● Weight (unit): 1.4 kg</li> </ul>

