

# WellGate 3802A/3804A (FXO)

WellGate 3802A/3804A is a two/four-FXO-port Gateway, which represents an interface to access PSTN and provides voice and fax over IP services. By connecting with ADSL or cable Modem, WellGate 3802A/3804A provides saving in network infrastructure and greatly reduced telephone charges. With H.323 v2/v3/v4 or SIP protocol, Welltech create 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 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<br>● Call Transfer<br>● 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   | ● Two 10/100Base-T Ethernet RJ-45 port                                                                                                                                                                                                                                      | ● Two 10/100Base-T Ethernet RJ-45 port                                                                                                                                                                                                                                                                                                     |
| FXO Interface       | ● Two Analog PSTN (FXO) RJ-11 port for WellGate 3802A<br>● Four Analog PSTN (FXO) RJ-11 port for WellGate 3804A                                                                                                                                                             | ● Two Analog PSTN (FXO) RJ-11 port for WellGate 3802A<br>● Four Analog PSTN (FXO) RJ-11 port for WellGate 3804A                                                                                                                                                                                                                            |
| Voice Quality       | ● VAD (Voice Activity Detection)<br>● CNG (Comfort Noise Generation)<br>● G.168/165-compliant adaptive echo cancellation<br>● Dynamic Jitter Buffer<br>● Bad Frame Interpolation<br>● Completed voice band signaling support<br>● Receive Caller ID (DTMF or FSK) from PSTN | ● VAD (Voice Activity Detection)<br>● CNG (Comfort Noise Generation)<br>● G.168/165-compliant adaptive echo cancellation<br>● Dynamic Jitter Buffer<br>● Bad Frame Interpolation<br>● Completed voice band signaling support<br>● Receive Caller ID (DTMF or FSK) from PSTN<br>● PSTN Current Loop Break(CPC)detection to release FXO port |



|                            |                                                                                                                                                                                                           |                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | <ul style="list-style-type: none"> <li>● Provide Inband or Outband DTMF generation/detection between LAN and PSTN interface</li> <li>● Gain/Attenuation Settings</li> </ul>                               | <ul style="list-style-type: none"> <li>● Provide Inband or Outband 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 and Web Browser</li> </ul>                                                                                                                  | <ul style="list-style-type: none"> <li>● Console port, TELNET 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>● Input AC 100V~240V Output DC12V</li> </ul>                                                                                                                       | <ul style="list-style-type: none"> <li>● Input AC 100V~240V Output DC12V</li> </ul>                                                                                                                       |
| Certification              | <b>For WellGate 3802/3804A :</b> <ul style="list-style-type: none"> <li>● CE Class B, LVD</li> </ul>                                                                                                      | <b>For WellGate 3802/3804A :</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: 223mm(W) x 35mm(H) x 152mm(D)</li> <li>● Weight (unit): 1.4 kg</li> </ul>                                                                             | <ul style="list-style-type: none"> <li>● Dimension: 223mm(W) x 35mm(H) x 152mm(D)</li> <li>● Weight (unit): 1.4 kg</li> </ul>                                                                             |

