

# IAD 161/162

The IAD 161 is a one-port telephone extension and three ports SOHO Router to IP network gateway. It provides Data transfer by 10/100Mbps, telephone services and T.38 fax over IP network with easy operation and configuration. It is most suitable for SOHO and small-to-medium enterprise in Internet communication environment.

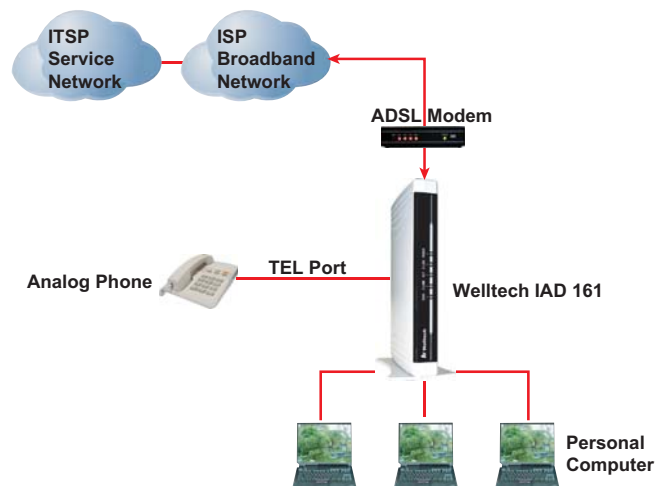
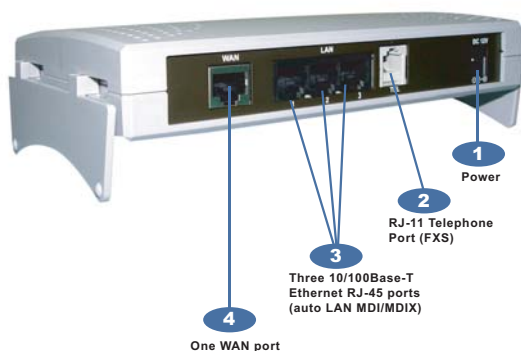
The IAD 161/ 162 can also connect three computers without extra IP sharing. IAD 162 provides two dialing paths: VoIP and PSTN, and user can make phone call in one telephone set. No more long distance and international telephony fee! Furthermore, call will route to PSTN automatically when power is failed.

## Key Features

- Provide Voice over IP and Fax over IP features
- Both H.323 and SIP compliance
- Built-in NAT/IP sharing function
- Provide both IP telephone number and PSTN telephone number in one device for end users
- PSTN backup: user still can make phone call when power is failed
- Provide call features: Hold, forward and transfer
- Automatic FAX detection
- Support T.38 protocol
- Codec: G.711 a/μ law, G.723.1, G.729A
- PPPoE connection Support
- VAD (Voice Activity Detection), CNG (Comfort Noise Generate)
- G.168/165 echo cancellation
- FSK and DTMF Caller ID
- The plastic housing can be adjustable manually (Vertical type or Horizontal type)



IAD 161 Back Panel



## Specification

Protocol	<ul style="list-style-type: none"> <li>● ITU-T H.323 v2/v3/v4 compliance</li> <li>● SIP RFC3261</li> </ul>
Supplementary Service	<ul style="list-style-type: none"> <li>● H.450 (Call Hold, Call Transfer, Call forward)</li> </ul>
FAX Support	<ul style="list-style-type: none"> <li>● Automatically FAX detection</li> <li>● Support T.38 protocol</li> </ul>
Codec	<ul style="list-style-type: none"> <li>● G.711 a/ <math>\mu</math> law, G.723.1, G.729A</li> </ul>
Network Interface	<ul style="list-style-type: none"> <li>● Three 10/100Base-T Ethernet RJ-45 ports (auto LAN MDI/MDIX)</li> <li>● One WAN port</li> </ul>
FXS Interface	<ul style="list-style-type: none"> <li>● One RJ-11 Telephone port (FXS)</li> <li>● One PSTN port</li> </ul>
Voice Quality	<ul style="list-style-type: none"> <li>● VAD (Voice Activity Detection)</li> <li>● CNG (Comfort Noise Generation)</li> <li>● G.165/G.168 compliant echo cancellation</li> <li>● Programmable Dynamic Jitter Buffer</li> <li>● Bad Frame Interpolation</li> <li>● Provide both in-band and out of band DTMF generation/detection</li> <li>● Gain/Attenuation Settings</li> <li>● G.165/G.168 compliant echo cancellation</li> <li>● Provide Progress Tone: Dial tone, busy tone, 2nd dial tone, call-holding tone and ring-back tone</li> </ul>
QoS	<ul style="list-style-type: none"> <li>● DiffServ</li> </ul>
Caller ID	<ul style="list-style-type: none"> <li>● Generation (FSK)</li> </ul>
Tone	<ul style="list-style-type: none"> <li>● DTMF / CPT (Call Progress Tone) generation/detection</li> </ul>
Network Support	<ul style="list-style-type: none"> <li>● Fixed IP, DHCP, and PPPoE</li> </ul>
Configuration & Management	<ul style="list-style-type: none"> <li>● TELNET, Web Browser and Welltech "installation wizard"</li> </ul>
Upgrade	<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>
Certification	<ul style="list-style-type: none"> <li>● CE, FCC</li> </ul>
Operation Temp	<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>
Dimension and Weight	<ul style="list-style-type: none"> <li>● Dimension: 190mm(H) x 110mm(W) x 51.5mm(D)</li> <li>● Weight (unit): 0.3 kg</li> </ul>