



WELLTECH

IAD 161

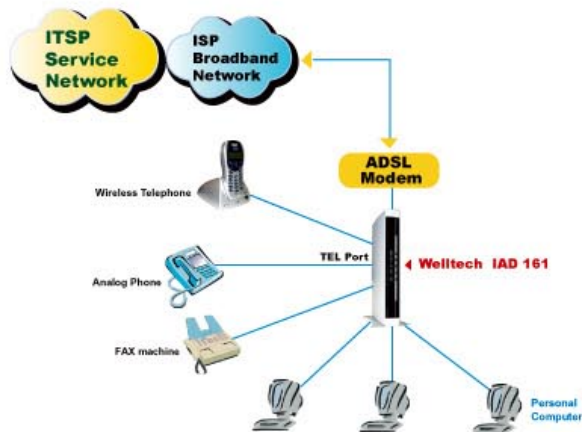
NAT + VoIP solution
Integrating data and voice in one device



IAD 161

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 easily operation and configuration. It is most suitable for SOHO and small-to-medium enterprise in Internet communication environment.

The IAD 161 provides IP telephone number for end users with FreeTalk voice service. User can make phone call via Internet now. No more long distance and international telephony fee! It also connects three computers without another IP sharing as showed as following diagram.



Network and Telephony Interface :

Model	WAN port	LAN port	FXS RJ-11 port	PSTN port
IAD 161	1	3	1	0

Key Features:

- Provide Voice over IP and Fax over IP features.
- Both H.323 and SIP compliance
- Built-in NAT/IP sharing function
- Provided call features: Hold, forward and transfer
- Automatically FAX detection
- Support T.38 protocol
- Codec: G.711 a/ μ law, G.723.1, G.729A
- PPPoE connection
- VAD (Voice Activity Detection), CNG (Comfort Noise Generate)
- G.168/165 echo cancellation
- FSK and DTMF Caller ID
- Provide IP telephone number to end users with FreeTalk voice service
- The plastic housing can be adjustable by manual (Vertical type or Horizontal type)



Specification:

Protocol	<ul style="list-style-type: none"> ● ITU-T H.323 v2/v3/v4 compliance ● IP RFC3261
Supplementary service	<ul style="list-style-type: none"> ● H.450 (Call Hold, Call Transfer, Call forward)
FAX support	<ul style="list-style-type: none"> ● Automatically FAX detection ● Support T.38 protocol
Codec	<ul style="list-style-type: none"> ● G.711 a/ μ law, G.723.1, G.729A
Network Interface	<ul style="list-style-type: none"> ● Three 10/100Base-T Ethernet RJ-45 ports (auto LAN MDI/MDIX) ● One WAN port
FXS Interface	<ul style="list-style-type: none"> ● One RJ-11 Telephone port (FXS)
Voice Quality	<ul style="list-style-type: none"> ● VAD (Voice Activity Detection) ● CNG (Comfort Noise Generation) ● G.165/G.168 compliant echo cancellation ● Programmable Dynamic Jitter Buffer ● Bad Frame Interpolation ● Provide both in-band and out of band DTMF generation/detection ● Gain/Attenuation Settings ● Provide Progress Tone: Dial tone, busy tone, 2nd dial tone, call-holding tone and ring-back tone
QoS	<ul style="list-style-type: none"> ● TOS
Caller ID	<ul style="list-style-type: none"> ● Generation (FSK)
Tone	<ul style="list-style-type: none"> ● DTMF / CPT (Call Progress Tone) generation/detection
TCP/IP	<ul style="list-style-type: none"> ● Support Fixed IP and DHCP
ADSL Environment	<ul style="list-style-type: none"> ● PPPoE
Security	<ul style="list-style-type: none"> ● Support H.235 security function
Configuration & management	<ul style="list-style-type: none"> ● TELNET, Web Browser and Welltech "installation wizard"
Upgrade	<ul style="list-style-type: none"> ● Firmware upgrade through network by TFTP/FTP
Power	<ul style="list-style-type: none"> ● Input AC 100V~240V Output DC12V
Certification	<ul style="list-style-type: none"> ● CE, FCC
Operation Temp	<ul style="list-style-type: none"> ● 5°C to 40°C
Humidity	<ul style="list-style-type: none"> ● 10% to 90% (Non-condensing)
Chassis	<ul style="list-style-type: none"> ● Dimension: 190mm(W) x 110mm(D) x 51.5mm(H) ● Weight (unit): 0.3 kg

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