



# ATA171 plus / ATA172 plus SIP IP ATA for Analog Phone device



ATA171plus front and rear view  
Color : Gray



ATA172plus front and rear view  
Color : Milk White

- Support up to 5 Register Accounts at five SIP Servers**
- Compatible with ADSL/Cable Modem, WiMax/3G Modem**
- Suit to end user use with Voice over IP Service Provider**
- Auto Provision feature**
- Support PPTP VPN Client**
- WAN and LAN support NAT feature**

ATA172plus and ATA171plus are two analog phones and one analog phone set SIP device which allow user to make or receive VoIP call through Internet Telephony service provider. This device is suitable for single user for ITSP service provider to install at home or office with affordable price and convenience installation.

### **To select freely up to 5 SIP service Accounts**

ATA is appropriate to use for VoIP Service Providers, IP Centrex service and IP-PBX within offices and remote branch offices. Up to 5 SIP Servers ( or ITSP Service provider or alternative IP-PBX ) can be configured at both ATA171plus and ATA172plus simultaneously. You can dial one of five accounts number directly no hassle.

### **Provision is easier than before**

Auto Provision server software installs at Windows or Linux platform are supported to manage, configure and configure firmware download remotely to ATA. It is a convenience device for VoIP ITSP Service provider to manage ATA easily.



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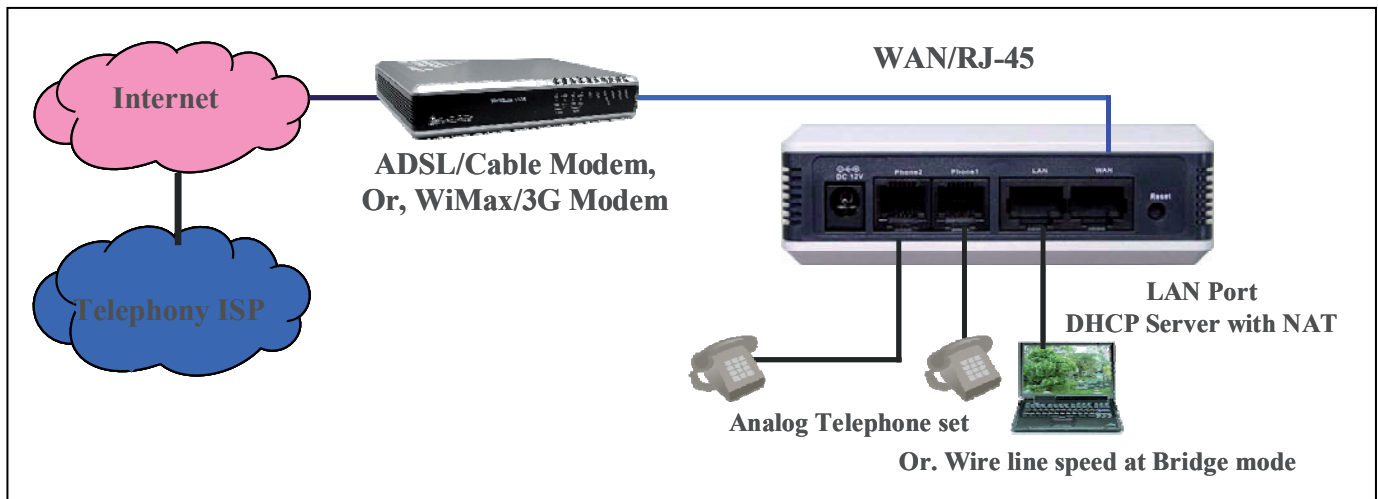
# ATA171 plus / ATA172 plus

## SIP IP ATA for Analog Phone device



### Suit to IP Telephony Service Provider

Both ATA171plus and ATA172plus are SIP IP device to connect with existing analog telephone set to make IP call. Its compact design and easy installation allow home user or single user to make or receive call just like an legend telephone call but less cost. It is compatible with broadband internet service device such as ADSL/Cable Modem and WiMax/3G Modem. It help ISP provider to provide Telephony service to existing customer without additional cable. It provides fast, easily, cost effective and remotely management feature to migrate from ISP to Telephony ISP service.



### SPECIFICATION

#### Interface:

Ethernet port (RJ-45, 10/100 base-T)  
1-WAN port, connect to IP Network  
1-LAN port connect to PC with NAT  
DC +12V power input Jack  
Reset key to return Factory setting

#### IP Network connection

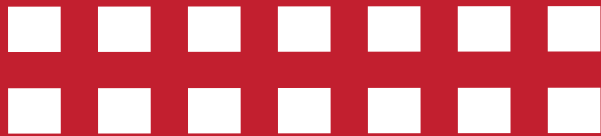
IPv4 (RFC 791),  
MAC Address (IEEE 802.3)  
MAC Clone Setting  
IP/ICMP/ARP/RARP/SNTP  
Static IP  
DHCP Client (RFC 2131), WAN port  
DHCP Server, LAN port  
Wire line speed more than 85MB at Bridge mode  
PPPoE  
DDNS  
DMZ  
VLAN : 802.1Q/1P  
Virtual Server (DHCP Server IP range)  
DNS Client  
PPTP VPN Client tunnel 64 bits without compression  
SNTP support Daylight Saving Time (DST) configuration  
SNTP with time zone  
TCP/UDP (RFC 793/768)  
RTP/RTCP (RFC 1889/1890)  
IPV4 ICMP (RFC 792),  
TFTP Client  
QoS Support : ToS

#### SIP Protocol :

RFC3261 compliance  
Support up-to 5 SIP Register Accounts  
SIP Proxy compatible with brand name : Asterisk and Nortel  
SIP UDP Protocol  
Support SIP compact Form  
SIP Session Timer (RFC 4028)  
MD5 Digest Authentication (RFC2069/RFC2617)  
Message Waiting Indication (RFC3842)  
Event Notification (RFC3265)  
REFER (RFC3515)  
Support Outbound Proxy  
Support DNS SRV to locate SIP Server (RFC 3263)  
Support STUN NAT Traversal  
Support "rport" parameter (RFC 3581)

#### Audio Codec :

G.711 A-law/ $\mu$ -law, G.729, iLBC, G.726  
Silence Suppression  
VAD/CNG  
Jitter Buffer : Up to 32 packets  
LEC : Line Echo Canceller  
Packet Loss Compensation  
Automatic Gain Control  
In-band/out of band DTMF (RFC4733, RFC2833 / SIP INFO)



# ATA171 plus / ATA172 plus

## SIP IP ATA for Analog Phone device

Adaptive/Configurable Jitter Buffer  
Acoustic Echo Cancellation  
Speed Dial  
Phone Book ( up to 140 records )  
Clock, Call-Duration display  
Call History of Missed, Received and Dialed  
Dialing Plan with drop, replace, Insert dialing digits  
Selectable Call Progress Tone  
Support Personal Melody Ring  
Auto Answer Mode  
Support Specified Line Calling

### Call Features :

Caller ID display DTMF (before/after 1st ring) and FSK (before 1st ring )  
Tone Generation: Ring, Ring Back, Dial, Busy, call waiting and congestion tone  
Out-Band DTMF : RFC2833 and SIP Info  
Voice Mail with Indication  
Speed Dialing  
Call Waiting/Switching between Calls  
Call Forward (Busy, Unconditional, No Answer)  
DND : Always ON or configurable period  
Call Hold  
Call Mute  
Call Transfer  
Flexible Dial Plan: Drop and Replace Rule  
T.38 FAX : Enable or G.711 Codec A-law/u-Law Pass through Codec  
Alarm Ring Reminder  
3-way conference call  
Music-on-hold support (via IPPBX or local)  
Redial  
Hot Line  
Support Peer to Peer Dialing  
Volume Adjustment: Handset Volume (receiver) and Handset Gain (Transmitter) selection  
Flash Time Detection: range from 70 to 2550 ms  
ON-HOOK Voltage -48Vdc  
Support 12/16Khz metering signal or Polarity reversal for Billing  
Service Up to 1 Kilo-meter distance from ATA to analog telephone set  
Global Country Impedance setting  
CPC Delay : 2 to 5 seconds (Open Loop Disconnect time)  
CPC duration: 10 to 1200ms

### MANAGEMENT :

Administrative Telnet CLI and HTTP  
2 Levels of User Access Right with Password protection  
Management from WAN enable or disable  
Provides System Status Logs  
Network Status Display : WAN and LAN port Status  
Diagnostics (debug through syslog)  
Configuration Backup/Restore  
Firmware configurable updated  
Reset to factory Default  
Support Auto Provision through MAC address

Voice configuration from analog telephone set with DTMF tone and voice announcement  
\*\* Support Welltech proprietary encryption protocol at SIP Signal and Voice codec during transmitting to IP network in order to Anti-ISP block of VoIP call. This feature only be available with Welltech SIP server or SIPPBX6200 IP-PBX

### Environmental :

Dimension: 9.9(H) × 9.9(W) × 3.2(T) CM  
Weight: 0.35kg (One unit with packing)  
Operating Temp. & Humidity  
- Temp.: 0°C~45°C (32°F~113°F)  
- Humidity: 10%~90% relative humidity, non-condensing  
Power Adaptor:  
- INPUT: AC100V~240V, 50/60Hz  
- OUTPUT: DC 12V

### Approvals:

CE, FCC, LVD and RoHS

### Country of origin:

Made in Taiwan

### Packing Accessories

ATA171plus or ATA172plus x 1 pcs  
AC to DC+12V Power adaptor x 1 pcs  
1 meter Ethernet cable x 1 pcs  
CD User Manual x 1 pcs

### Warranty

One year



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