

# ATA171plus and ATA172plus

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 VGCP Encryption protocol to avoid from blocking**

**Suit to end user use with Voice over IP Service Provider**

**Auto Provision feature**

**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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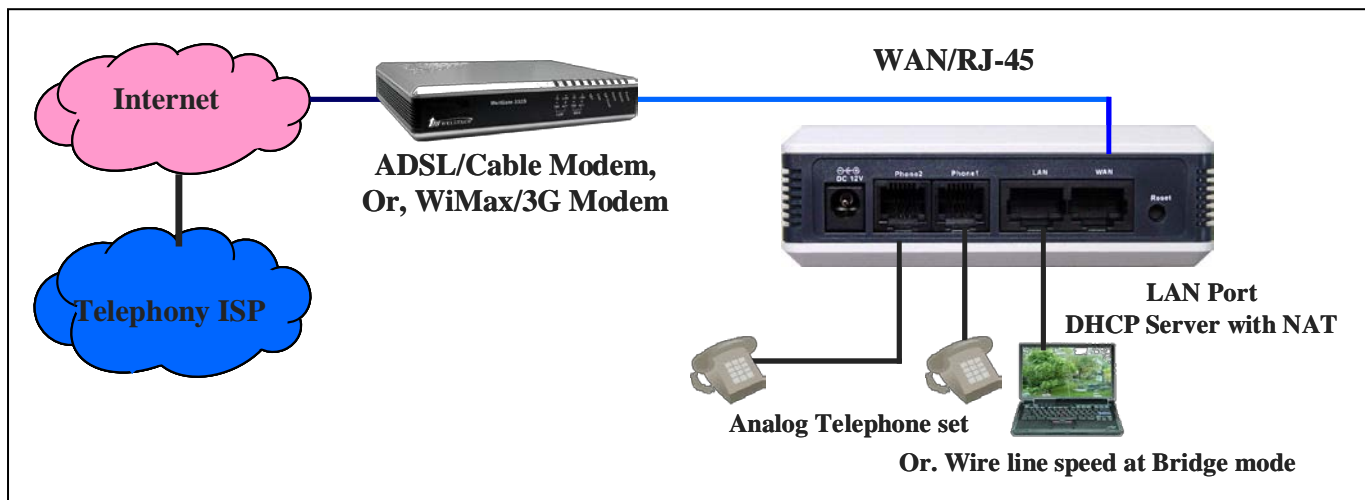
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# ATA171plus and ATA172plus

## 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/IP

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, G.723, 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)

Adaptive/Configurable Jitter Buffer

Acoustic Echo Cancellation



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# ATA171plus and ATA172plus

## SIP IP ATA for Analog Phone device

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 1<sup>st</sup> ring) and FSK (before 1<sup>st</sup> 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 trough 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 and VGCP 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, 1A

### 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

### Ordering Information:

	ATA171plus	ATA172plus
Analog Phone	1 line FXS	2 lines FXS
Color	Gray	Milk White