PTLA
ADAPTER

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PTLA

The power of an ATA

An Analogue Telephone Adapter (ATA) is a Session Initiation Protocol (SIP) endpoint that is managed from your IP Network. An ATA is a device that connects traditional analogue telephones, alarm, lift phones and similar customer-premises devices to a Hosted Telephony Network, turning these devices into IP devices for greater cost-effectiveness.

Your customers can take advantage of IP telephony applications by connecting your analogue devices to an ATA. It is the preferred solution to address the needs of customers who connect to enterprise networks, small offices, or unified communications as a service from the cloud. An ATA is often built into a small enclosure with an internal or external adapter, an ethernet port and one or more telephone ports (FXS). Some ATA's may also have FXO interface for providing alternative access to the traditional landline telephone service.

It is possible to connect a conventional Plain Old Telephone (POT) to remote VoIP services. An ATA communicates directly with the VoIP network using a protocol such as SIP and encodes and decodes the voice signal using a voice codec, such as G.711, G.729 or others. It does not require a personal computer or any software such as a softphone.

'The Big Switch Off'

Back in 2015, BT announced they will be turning off the Public Switch Telephone Network (PSTN) and Integrated Services Digital Network (ISDN) by the end of 2025. This action will eliminate the use of all analogue phone lines and force all communications technology into the cloud.

This is all well and good for businesses with a broadband connection that have the option to purchase IP telephones, but what happens to those who wish to keep using their analogue telephones and devices?
We have an answer.

PTLA

PTLA Landline Adapter

We are addressing the need for customers to keep their analogue devices with the launch of our advanced PTLA Landline Adapter. The PTLA connected to an IP network is used to enable analogue telephones and similar devices to work on IP services. We have designed and manufactured the PTLA specifically for the UK market to make it easier for residential customers and small business owners to make the switch to IP. Combined with the PTLA, our hosted platform is the perfect tool for any sized customer from residential to small or large businesses.

The adapter comes complete with a 5V 1A power supply, ethernet cable and easy to follow user guide. It also comes with a ringer equivalent number of four (REN4) and therefore is able to ring four traditional phones in a domestic set up.

The landline adapter can utilise pre-configured dialling codes to access an array of features that are available with our platform. The adapter has features to identify what has been activated (simply dial and listen) and with a traditional BT socket built-in, there is now no need to mess around with an adapter lead. The PTLA Adapter is the most efficient solution to converting from analogue to IP in preparation for the 2025 Switch-Off and beyond.

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PTLA

General

- System LED to indicate power/phone/register status
- 2 SIP lines
- HD voice
- Desktop / wall-mounted
- Support USB port or power adapter for power supply

Audio

- Narrowband codec: G.711a/u, G.726, G.729A/B, iLBC
- Wideband codec: G.722, Opus
- Acoustic Echo Canceller (AEC) Voice Activity Detection (VAD) / Comfort Noise Generation
- (CNG) / Noise Reduction (NR) / Automatic Gain Control (AGC)
- Packet Loss Concealment (PLC)
- Dynamic adaptive jitter buffer
- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO
- Support the signal tone of different countries or regions

Network/Security

- Physical: 10/100Mbps Ethernet
- Bridge Mode and Route
- PPPoE for xDSL
- VLAN (802 1Q/P)
- NAT (NAPT)
- NAT Transverse: Support STUN Client
- DHCP Client on WAN/DHCP Server on LAN
- Main DNS and Secondary DNS Server
- DNS Relay
- NTP Client
- Firewall
- Web Management Access Restricted
- VPN (L2TP/PTP)
- Ping, Traceri, Telnet

Maintenance and Management

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIPPNP/TR-069
- Voice menu for basic configuration
- Web management portal
- Web-based packet dump
- Configuration export / import
- Phonebook import/export
- Backup and recovery
- Firmware upgrade
- Syslog

Physical

- Power adapter x1
- 1.5M CAT.5E ethernet cable x1
- Reset key x1
- Status indicator light x4: power/network/SIP state/ call
- FXS port x1: UK BT Jack x1
- Network port x1: RJ45 x1
- USB port x1: Micro USB x1 (Only power input is supported)
- DC port x1: Φ5.5x2.1x10mm
- DC power input: DC5V/1A
- Working temperature: 0~45℃
- Working humidity: 10~95%
- Installation: Desktop or Wall-mounted
- Color: black
- Device dimensions: 85x68x22.7 mm
- Gift box dimensions: 150x125x55 mm

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