LA1
ADAPTER

FXS

Anta

The power of an ATA

An Analogue Telephone Adapter (ATA) is a Session Initiation Protocol (SIP) endpoint that is managed from you IP Network. An ATA is a device that connects traditional analogue telephones, fax machines 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.

LA1 Landline Adapter

We are addressing the need for customers to keep their analogue devices with the launch of our advanced LA1 Landline Adapter. The LA1 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 LA1 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 LA1, NTA's 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 the NTA 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 LA1 Adapter is the most efficient solution to converting your customers from analogue to IP in preparation for the 2025 Switch-Off and beyond.

General

- System LED to indicate power/phone/register status
- Supports T.38 FAX
- Supports BY-PASS FAX

Audio

- Codec: G.711A/u, G729AB, G.726-32
- DTMF: In band, RFC 2833 and SIP INFO
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- Background Noise Suppression
- Adaptive Jitter Buffers
- Packet Loss Concealment
- Different Country Tones

Advanced

- Call Forwarding (Busy/No Answer/Always)
- Call Transfer (Unattended/Attended)
- Call Holding
- Call Waiting
- 3 Way Call Conference
- MWI
- Flexible Dial Plan
- Barring Function for Outgoing Calls
- Caller ID (SFK/DTMF)
- Indication when N/A Line Available
- Dial Via VoIP or PSTN as Default Selection
- Dial Via PSTN when VoIP Unavailable
- CLIR (Rejects Anonymous Calls)
- CLIP (To Make An Anonymous Call)
- Dial Without Registration
- Hotline/Warm-Line
- Black List/White List

Network/Security

- WAN/LAN: 10/100M Ethernet Ports
- 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

- WEB Management
- Management with Different Access Right
- Recover Firmware and Factory Rest Through Uboot
- Upgrade Firmware Via HTTP,HTTPS,FTP,TFTP
- DHCP option66 and Custom Option for Auto Provisioning
- Auto Provisioning to Upgrade Configuration File
- Syslog

Physical

- Adapter Input: AC 100-240V
- Adapter Output: DC 12V/0.5A
- WAN Port-10/100 BASE-T RJ-45 for LAN
- LAN Port-10/100 BASE-T RJ-45 for PC
- FXS 2 RJ11
- Power Consumption: IDLE: 2.5W Active:2.8W
- Operation Temperature: 0-40°C
- Relative Humidity: 10-65%
- SDRAM: 64MB
- FLASH: 16MB
- Device Dimension: 85x67.6x35mm
- Package Size: 150x125x55mm
- Gross Weight: 240g

nta