



## Description

The TX3-ATA is a single port analog telephone adapter (ATA) that allows users to create a high-quality and manageable IP telephony solution for residential and office environments. Its ultra-compact size, voice quality, advanced VoIP functionality, security protection and auto provisioning options enable users to take advantage of VoIP on analog phones. It also allows service providers to offer high quality IP service to their market. The TX3-ATA is an ideal ATA for individual use as well as commercial IP voice deployments worldwide.

Telecom carriers are accelerating the **transition** from **PSTN** (Public Switched Telephone Network, A.K.A. POTS) to **all-IP** communications. Traditional voice services usually routed through the **fixed-line analog network** are then routed through a voice over IP digital network. Rather than using **PSTN**, calls are transferred over high-bandwidth internet links reaching home. This can be done over the existing copper lines with xDSL technology or over Cable or Optic Fiber installed for **copper line termination**.

Mircom is offering the ATA (Analog Telephone Adapter) hardware along with monthly service subscription.

## Features

- Supports 1 SIP profile through a single FXS port and a single 10/100Mbps port
- TLS and SRTP security encryption technology to protect calls and accounts
- Automated provisioning options include TR-069 and XML config files
- Supports 3-way voice conferencing
- Failover SIP server automatically switches to secondary server if main server loses connection
- Supports T.38 Fax for creating Fax-over-IP
- Supports a wide range of caller ID formats
- Use with Grandstream's UCM series of IP PBXs for Zero Configuration provisioning
- Supports advanced telephony features, including call transfer, call forward, call-waiting, do not disturb, message waiting indication, multi-language prompts, flexible dial plan and more

## Specifications

Interfaces	
Telephone Interfaces	One (1) FXS port
Network Interfaces	One (1) 10/100Mbps auto-sensing ethernet port (RJ45)
LED Indicators	POWER, INTERNET, PHONE
Factory Reset Button	Yes
Voice, Fax, Modem	
Telephony Features	Caller ID display or block, call waiting, flash, blind or attended transfer, forward, hold, do not disturb, 3-way conference
Voice Codecs	G.711 with Annex I (PLC) and Annex II (VAD/CNG), G.723.1, G.729A/B, G.726, iLBC, OPUS, dynamic jitter buffer, advanced line echo cancellation
Fax Over IP	T.38 compliant Group 3 Fax Relay up to 14.4kpbs and auto-switch to G.711 for Fax Pass-through
Short/Long Haul Ring Load	5 REN: Up to 1km on 24 AWG
Caller ID	Bellcore Type 1 & 2, ETSI, BT, NTT, and DTMF-based CID
Disconnect Methods	Busy Tone, Polarity Reversal/Wink, Loop Current
Signaling	
Network Protocols	TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, DNS, DHCP, NTP, TFTP, SSH, STUN, SIP (RFC3261), SIP over TCP/TLS, SRTP, TR-069
QoS	Layer 2 (802.1Q VLAN, SIP/RTP 802.1p) and Layer 3 (ToS, DiffServ, MPLS)
DTMF Method	In-audio, RFC2833 and/or SIP INFO
Provisioning and Control	HTTP, HTTPS, SSH, TFTP, TR-069, secure and automated provisioning using AES encryption, syslog
Security	
Media	SRTP
Control	TLS/SIPS/HTTPS
Physical	
Management	Syslog support, SSH, remote management using web browser
Universal Power supply	Input: 100-240VAC, 50-60Hz Output: 5.0VDC/1.0A
Environmental	Operational: 32° – 104°F or 0° – 40°C Storage: 14° – 140°F or -10° – 60°C Humidity: 10 – 90% Non-condensing
Dimension and Weight	Dimensions: 9L x 7W x 3H inches (229mm x 178mm x 76mm) Weight: 1.05 lbs (0.48 kg)
Compliance	
FCC: Part15B CE: EN55032, EN55024, EN61000-3-2, EN61000-3-3, EN60950-1 RCM: AS/NZS CISPR22, AS/NZS60950.1, S003 K.21	

## Ordering Information

Model	Description
TX3-ATA	Single Port Analog Telephone Adapter

For service subscription inquiries, email [activations@mircomgroup.com](mailto:activations@mircomgroup.com)



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