

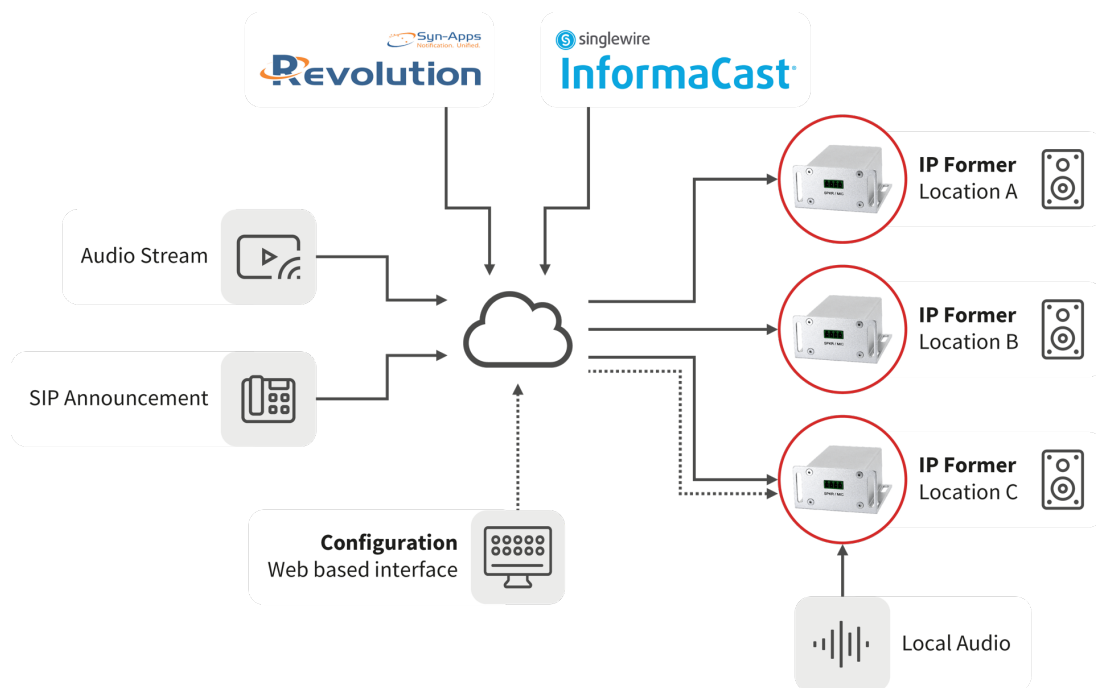
BARIX

IP Former TPA400

IP Speaker Amplifier



The IP Former converts existing passive loudspeakers to network loudspeakers in various applications. It is a solid metal device that is mounting compatible to 70/100V Speaker Transformers and can therefore be mounted to any existing Speaker. A wide variety of Audio Systems, such as SIP, InformaCast and Syn-Apps are supported. Codecs include PCM, AACplus, MP3, OPUS, G.711, G.722 that can be streamed using HTTP, RTP or UDP. Audio files can be stored on the internal memory and played via simple UDP command. The built in 8W full digital class-D audio amplifier provides high quality audio Signals to 2 - 80hm in-wall, in-ceiling or tabletop Speakers. The device is powered without any other cabling using Power over Ethernet (PoE). Configuration of the device is done via the internal webinterface.



Applications

- SIP and IP Paging / Notification
- Background music
- Emergency evacuation
- Singlewire InformaCast integration
- Syn-Apps Revolution integration

Specifications

- 8W RMS @ 80hm Speaker Output
- IEEE 802.3af PoE
- Singlewire certified
- Multi-level message priority
- AACplus, MP3, G.711, G.722 over RTP
- SIP VoIP endpoint support
- Storage of local audio files for triggered playout
- Web based configuration interface

Technical Specifications

Operation System

- Embedded Linux based on Yocto

Network Interfaces

- 1 x Ethernet (RJ45) Interface
- IPv4, IPv6 capable
- 10/100 fdx/hdx, auto negotiation
- TCP/IP, UDP, RTP, SIP, CGI, HTTP, DHCP
- Singlewire InformaCast compatibility
- Syn-Apps Revolution compatibility

Audio Interface

- 8W RMS @ 8Ohm on Screw Connector
- 2-8 Ohm Speaker Impedance
- Microphone Input with 3.3VDC Bias on Screw Connector

Audio Formats

- MP3 CBR/VBR, up to 320 kbps, 8..48 kHz sample freq.
- AAC-HE (AAC, AAC plus, AAC plus V2)
- PCM linear 16bit @8, 16, 22.05, 24, 32, 44.1, 48 kHz
- G.711
- G.722
- GSM
- Opus

CPU / Memory

- Barix IPAM400 Processor Module
- Quad-Core ARM Cortex™ -A7
- 2GB DDR3 SDRAM
- 16MB SPI Flash
- 8GB SD-Card Flash

User Interface

- Web interface for configuration
- 2 x Multicolor LED Status indicators
- Reset & Factory Defaults Button

Power Requirements

- IEEE 802.3af PoE

MTBF

- > 200'000h

Measurement / Mechanics

- 2.05" x 2.60" x 1.57" / 52mm x 66mm x 40mm
- Various Mounting ears for 70/100V Transformer compatibility

Weight

- 110g

Warranty

- Two years

Environmental

Operating Environment

0°C to + 50° / 32 to 122°F environmental
0 - 70% relative humidity, non-condensing

Storage Conditions

-20 to +70°C / -4 to 158°F
0 - 70% relative humidity, non-condensing

Certifications

RoHS, FCC (A&B), CE (A&B)

Ordering Information

2020.9299P IP Former TPA400 (incl. Syn-Apps)
2020.9314P IP Former TPA400 RetailPlayer Portal
2020.9301P IP Former TPA400 InformaCast

For commercial related questions (distributors contacts, price list, business opportunities) please contact sales@barix.com

For technical inquiries (problem reports, request for documentation, etc.) please contact support@barix.com

Barix AG Ringstrasse 15A, CH-8600 Dübendorf, info@barix.com
Phone: +41 43 43322 11, www.barix.com



© Barix AG 2020, all rights reserved. All information is subject to change without notice.
All mentioned trademarks belong to their respective owners and are used for reference only. Product sheet V1.4
