

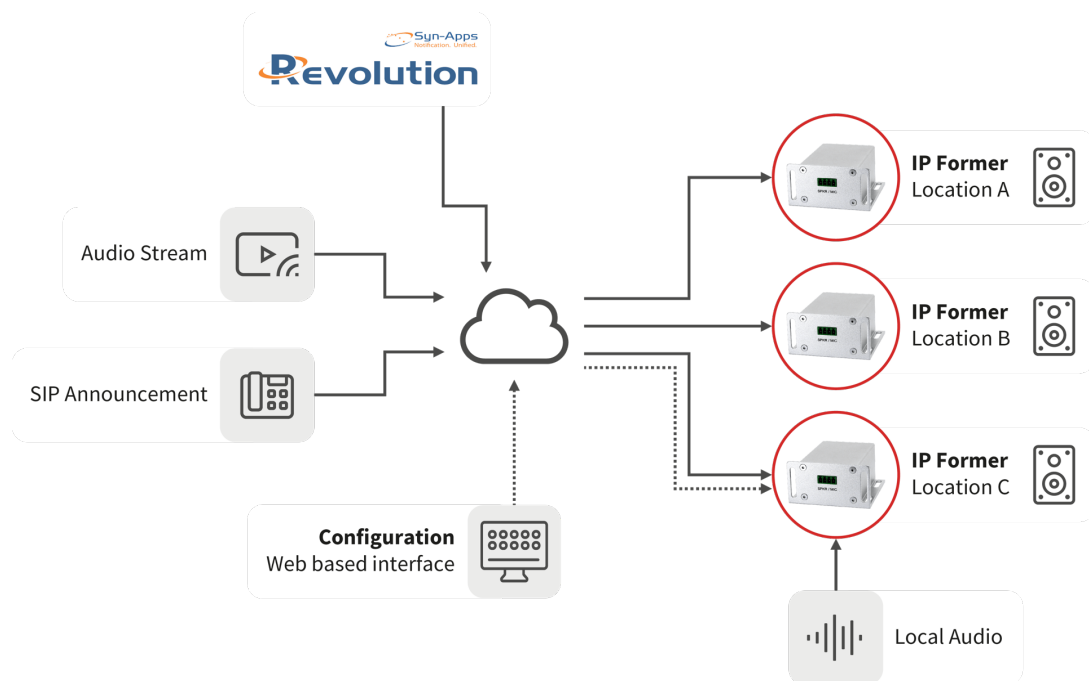
BARIX

IPFormer Syn-Apps

IP Speaker Amplifier



The IPFormer converts existing passive loudspeakers into network loudspeakers. It handles a variety of prioritized IP audio inputs such as unicast and multicast RTP and HTTP supporting many audio formats including AACplus, MP3, G.711 and G.722. IP-Former registers as SIP VoIP endpoint and it natively supports Syn-Apps Revolution. The solid metal case can be mounted directly to a speaker using the transformer mounts. The built in 8W full digital class-D audio amplifier provides high quality audio Signals to 2 – 8 Ohm in-wall, in-ceiling or tabletop Speakers. The device is powered using Power over Ethernet (PoE). Configuration of the device is done via the internal web interface.



Applications

- Syn-Apps Revolution integrations
- SIP and IP Paging / Notification
- Background music
- Emergency evacuation

Specifications

- 8W RMS @ 80hm Speaker Output
- IEEE 802.3af PoE
- Syn-Apps 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
- Syn-Apps compatibility

Audio Interface

- 8W RMS @ 80hm 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

2019.9285 IP Former Flexa Package
2020.9301 IP Former Informacast
2020.9300 IP Former Syn-Apps Revolution
2020.9299 IP Former RetailPlayer Portal

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

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