

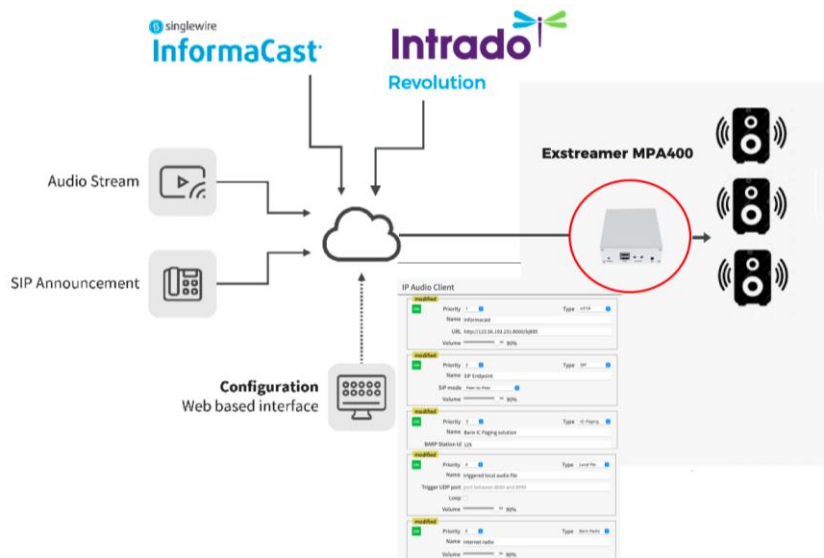
# BARIX

## Exstreamer MPA400

IP Audio Decoder and Amplifier



The Exstreamer MPA400 feeds 2 – 8 Ohm Speakers and turns them into an extensive Audio over IP system. A wide variety of audio environments, such as SIP, InformaCast and Syn-Apps are supported. The codec supports PCM, AACplus, MP3, OPUS, G.711, G.722 that can be served over HTTP and RTP protocols. Audio files can be stored on the internal memory and their playback can be triggered via a simple UDP command. The MPA400 is a solid metal device, easily installed. All PoE standards are supported (up to 4PPoE) to feed the built-in 40W full digital class-D audio amplifier meeting different speaker requirements. If PoE is not an option, an external power supply can be deployed too. The device offers a modern and user-friendly web interface for its configuration. REST API to interface with third party applications is also available.



### Applications

- Horn, wall, ceiling speaker driver
- Pre-recorded message
- VoIP integration
- Paging client
- Background music
- Emergency evacuation
- Singlewire InformaCast integration
- Syn-Apps Revolution integration
- AES67 compliant endpoint (Dante discovery supported)

### Features

- Up to 40W RMS @ 40hm Speaker Output
- IEEE 802.3af / 802.3at / 802.3bt type 1 and type 2 or external Power Supply 24VDC, 50W max.
- Automatic Amplifier Setting according to input voltage and impedance detected
- Singlewire certified
- Multi-layer source priority management
- SIP Client with SIPS, SRTP support
- REST API to interface with 3rd party apps

# 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
- Protocols supported: TCP/IP, UDP, RTP, SRTP SIP, SIPS, HTTP, HTTPS, DHCP, mDNS/DNS-SD, NTP, DHCP, DNS

## USB, Serial Interfaces

- 2 x USB ports type A ports

## Audio Interface

- Speaker Output on Screw Connector
- 2 – 8 Ohm Speaker Impedance
- 3.5mm TRS headphone connector on the front panel
- Microphone Input 3.3VDC Bias on Screw Connector

## Audio Formats

- MP3 CBR/VBR, up to 320 kbps, up to 48 kHz
- AAC-HE (AAC, AAC plus, AAC plus V2)
- PCM linear 16bit @44.1 kHz
- G.711, G.722
- Opus
- WAV
- OGG Vorbis

## Environmental

### Operating Environment

0 to +50°C / 32 to 122°F

0 - 70% relative humidity, non-condensing

### Storage Conditions

-20 to +70°C / -4 to 158°F

0 - 70% relative humidity, non-condensing

## CPU / Memory

- Barix IPAM400 Processor Module
- Quad-Core ARM Cortex™ -A7
- 256MB DDR3 SDRAM
- 16MB SPI Flash
- 8GB uSD-Card Flash

## User Interface

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

## Power Requirements

- 24VDC, 50W maximum on 5.5x2.1mm barrel connector (positive polarity), screw locked
- PoE: IEEE 802.3af / 802.3at / 802.3bt type 1-2

## MTBF

- > 200'000h

## Measurement / Mechanics

- 108x38x125mm (4.25x1.5x4.92 inch)

## Weight

- 350g

## Warranty

- Two years

## Certifications

CE, RoHS, FCC

## Ordering Information

2020.9317P Exstreamer MPA400

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[www.barix.com](http://www.barix.com)



Direct Link

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