

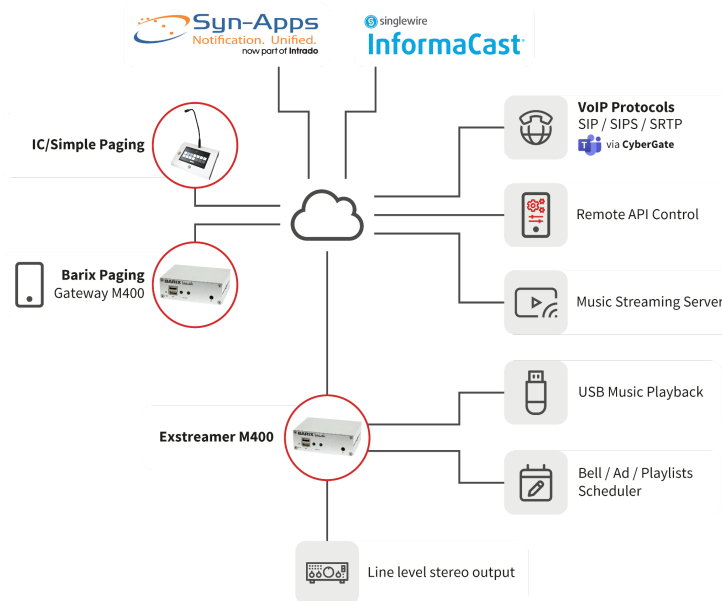
# BARIX

## Exstreamer M400

Multiformat IP Audio Decoder.



The Exstreamer M400 feeds your PA and turns it into an extensive Audio over IP system. A wide variety of audio environments, 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 and RTP. Audio files can be stored on the internal memory and their playback can be triggered via a simple UDP command. Thanks to the priority handler, the Exstreamer M400 can be configured to switch between sources according to one of the five priority settings and therefore eliminates the need for an audio matrix device. The M400 is a solid metal device, compact and easily installed. It is connected to your amplifier, DSP or audio mixer via a stereo output on RCA connectors. The configuration of the device is done via the local web interface.



### Applications

- SIP and IP Paging / Notification
- Background music
- Emergency triggered message payout
- Singlewire InformaCast integration
- Syn-Apps Revolution integration
- MS Teams endpoint via CyberGate service

### Features

- L-R Line Out on RCA Connectors (unbalanced)
- 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 payout

# 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

- TCP/IP, UDP, RTP, SRTP SIP, SIPS, HTTP, HTTPS, DHCP, mDNS/DNS-SD (Avahi), NTP
- Singlewire InformaCast compatibility
- Syn-Apps Revolution compatibility

## CPU / Memory

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

## 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 @44.1 kHz
- G.711
- Opus, WAV, OGG Vorbis

## RS-232 Interface

- Serial Port

## Audio Interface

- unbalanced L-R Line level output on RCA connectors
- Headphone connector on the front panel

## User Interface

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

## Power Requirements

- 5VDC, 10W maximum on 5.5x2.1mm barrel connector (inner positive)

## MTBF

- > 200'000h

## Measurement

- 108x38x78.7mm (4.25x1.5x3.1 inch)

## Weight

- 250g

## Warranty

Two years

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## 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

## Certifications

CE, RoHS, FCC

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## Ordering Information

2020.9291 Exstreamer M400 EU (incl. Syn-Apps)  
2020.9292 Exstreamer M400 US (incl. Syn-Apps)  
2020.9293 Exstreamer M400 UK (incl. Syn-Apps)  
2020.9294 Exstreamer M400 NoPSU (incl. Syn-Apps)

2020.9295 Exstreamer M400 InformaCast EU  
2020.9296 Exstreamer M400 InformaCast US  
2020.9297 Exstreamer M400 InformaCast UK  
2020.9298 Exstreamer M400 InformaCast NoPSU

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