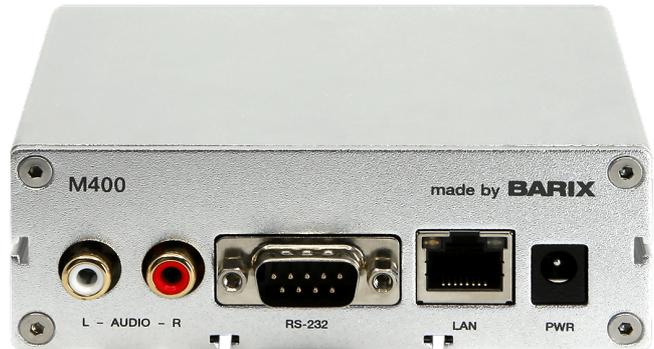
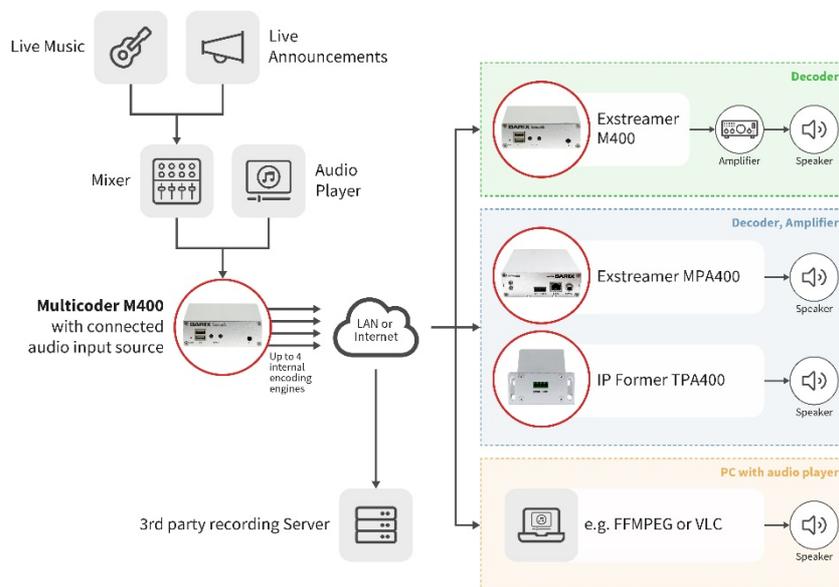


## Multicoder M400

Low-latency Audio over IP Encoder that can do AAC+ and OPUS over RTP, SRT or RIST with latest Security



The Barix Multicoder M400 boasts up to four internal encoding engines, capable of simultaneous operation, each supporting various audio formats. With support **for streaming protocols RTP and BRTP, SRT and RIST** it can achieve exceptionally low latency. This device can encode incoming audio from connected analog sources into formats like **OPUS, AAC+** streaming. The Multicoder M400 is purpose-built for low-latency applications and leverages a new Linux-based platform to provide robust security features, including HTTPS for the setup of the device.



### Applications

- Live audio encoder for internet streaming applications
- Technical applications which require exact frequency reproduction
- Paging

### Features for M400

- OPUS, AAC+, MP3, PCM and G.711 codec
- 4 encoding engines (up to 10 targets per engine)
- SRT, RTP, RIST and BRTP streaming protocol
- Line level input or optional USB audio devices
- Supply voltage 5VDC

# Technical Specifications

## Power Supply Input

- External power adaptor, 100-240VAC, 10W
- Male barrel connector: 5,5 x 2,1 mm

## Ethernet Interfaces

- RJ45 10/100 auto detect, IPv4, IPv6

## Audio Input

- Stereo RCA / cinch connectors (also mono configurable)  
2k $\Omega$  input impedance 3.9 Vpp max, adjustable in sensitivity
- Dynamic range 87 dB, SNR -87 dB
- Optional USB audio devices (mic, mixer, soundcard)

## Audio formats

- OPUS, AAC+ (AAC-HC and AAC-LC) MP3, PCM and G.711
- Sample rates: 8/16/22.05/24/32/44.1/48Khz
- Supported bit rates: 32kb/s to 320 kb/s

## Network Protocols

- Setup : HTTP/HTTPS
- Streaming: SRT, (Caller, Listener, Rendezvous)  
RIST,  
RTP, BRTP (requested RTP)

## Headphone output

- Female Jack 3.5 mm

## USB

- 2 extension ports for USB audio devices (only 1 USB Audio device supported)

## RS-232

- DB-9, currently not in use

## HW/SW environment

- Barix IPAM400 Processor Module
- Linux with dual boot recovery and remote firmware update capability

## User Interface

- Network interface for control, status and setup
- HW reset button, LED for status

## Case & Weight

- Aluminum
- 108x38x78,7mm (4,25x1.5 x3.1 inch)
- Weight 250g

## MTBF

- >199.951h / 22 years

## 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

## Ordering Information

2023\_9434P\_Multicoder M400 EU Package

2023\_9435P\_Multicoder M400 US Package

2023\_9437P\_Multicoder M400 UK Package

2023\_9437P\_Multicoder M400 NoPSU Package

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