

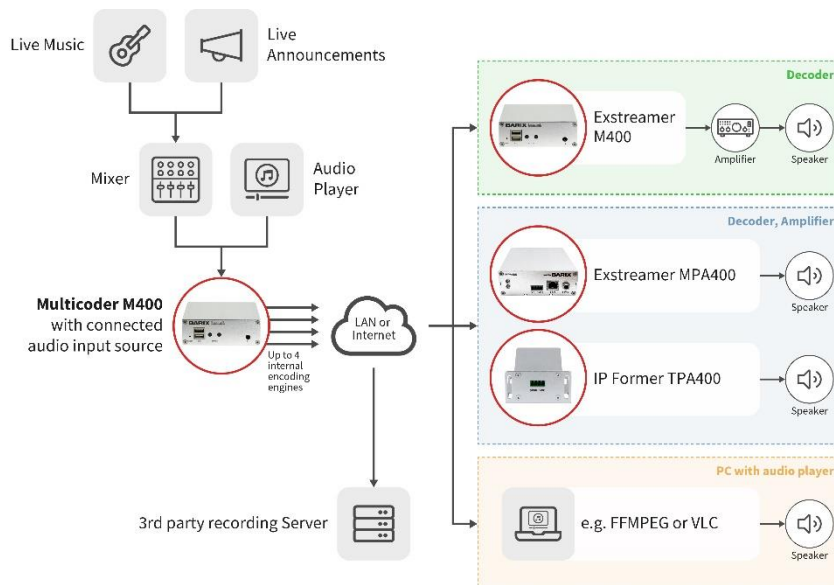
BARIX

Multicoder M400

Low-latency Audio over IP Encoder that can do AAC+ and OPUS 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**, it can achieve exceptionally **low latency**. This device can **encode incoming audio from connected analog sources into formats like OPUS, AAC+**. 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

- **OPUS, AAC+**, MP3, PCM and G.711 codec
- 4 encoding engines (up to 10 targets per engine)
- **RTP** and **BRTP** streaming protocol
- Line level input (mono, stereo)
- 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 Ω input impedance 3.9 Vpp max, adjustable in sensitivity
- Dynamic range 87 dB, SNR -87 dB

Audio formats

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

Network Protocols

- Set-up: HTTP/HTTPS
- Streaming: RTP, BRTP (requested RTP)

Headphone output

- Female Jack 3.5 mm

USB

- 2 extension ports for USB devices (for future use)

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

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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