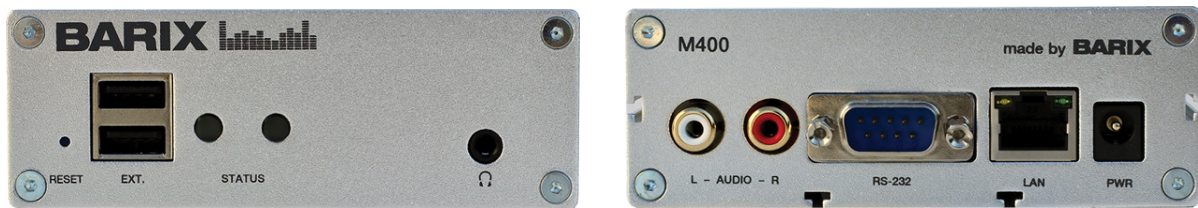


BARIX

M400 SIP Opus Stereo Encoder/Decoder

SIP link negotiation protocol based Codecs for audio over IP transport



The M400 SIP Opus Stereo Encoder/Decoder enables remote contribution links with SIP and the high-quality, open audio format Opus in a cost-effective solution. The advantages of the royalty-free Opus codec are its quality, efficiency and low latency. Combined with the SIP functionality to establish seamless links across VoIP and other IP based communications systems, it is ideal for remote contribution applications. The SIP functionality in the Barix unit allows to dial another device or auto replies to a call and automatically negotiate a transmission link for Opus based audio streaming.

The unit can be configured to be either an encoder or a decoder. The system works with two M400 units or can interoperate with 3rd party products such as Wheatstone, Comrex or other SIP Opus enabled equipment.

Applications

- Remote Radio Broadcasting
- STL
- SIP based audio transport

Features

- Stereo Opus Encoder or Decoder (software selectable)
 - Line level input with (RCA connectors)
 - Audio level supervision with SNMP trap generation
 - Support of multiple coding standards
 - Line level output (RCA connectors)
 - Works with SIP Opus compliant 3rd party equipment such as Wheatstone or Comrex
 - Simple Player support for RTP stream decoding (alternative to SIP based connection)
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Technical Specifications for M400 SIP Opus Encoder / Decoder

User Interface

- Web interface for control, status and configuration
- HW reset button, two LEDs for status signaling

1 Ethernet Interfaces

- RJ45 10/100 Mbit auto detect
- IPv4, IPv6 capable
- RS232 (tunneling between 2 units supported)

Audio Input

- Stereo input or output (RCA/Cinch connectors)

Power Supply Input

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

Supported Codecs

- G.711 (uLaw and aLaw)
- Speex
- GSM
- G.722
- iLBC
- OPUS

Sampling Rate

- 24 KHz

Opus Bandwidth

- Network auto-adaptive up to 256Kbps

SNMP Support

- dial, hangup, status

Simple Player decoder

Alternative to the SIP Opus function, the unit can be put into SIMPLE PLAYER mode decoding MP3 or AAC+ streams over HTTP or RTP. No Encoding or SNMP supported in this mode.

MTBF

- >199'951 h / > 22 years

Case & Weight

- Aluminum
- 108x38x78.7mm (4.25x1.5x3.1 inch)
- Weight 250g

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, others in examination

Ordering Information

2019.9263 M400 SIP Opus Enc/Dec EU Package

2019.9264 M400 SIP Opus Enc/Dec US Package

2019.9265 M400 SIP Opus Enc/Dec UK Package

2019.9266 M400 SIP Opus Enc/Dec No PSU Package

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

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