

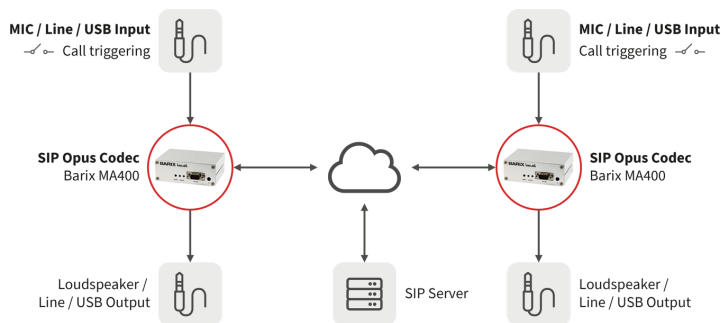
BARIX

MA400 SIP Opus Codec

PoE powered bi-directional mono Opus codec with SIP link negotiation. Analog and USB audio I/O. Mic input and Loudspeaker output. G.711 and G.722 support.



The BARIX MA400 SIP Opus Codec allows to establish a link between devices using standard SIP protocol in peer-to-peer mode or through a SIP server. The unit provides an Opus encoded bi-directional mono link with microphone or line input and line and speaker output. Other common VoIP codecs including G.711 and G.722 are supported. This makes the BARIX MA400 SIP Opus Codec the ideal product for audio distribution or contribution and intercom in a SIP based environment.



Applications

- SIP based Intercom
- Emergency intercom station
- Live audio codec for sports or event contribution
- SIP based Studio to Studio Link
- SIP based Studio to Transmitter link

Features

- Bi-directional mono Opus, G.711, G.722 codec
- Microphone / line level input
- Support of multiple coding standards
- Line level output (balanced)
- Amplified output 5W (8 Ohm)
- USB sound card support
- Contact input (call control)
- Power over Ethernet (PoE)
- SNMP support (v2)

Technical Specifications

Audio and contact closure interfaces are provided on a joint removable screw terminal block

Electrical

- 802.3af PoE on RJ-45 connector
- 48 VDC nominal, 12 Watt max.

Ethernet

- 10/100Mbps auto rate, full/half duplex
- RJ-45 connector with integrated Link/Activity
- 802.3af PoE support

Audio Input (mono)

- Characteristics/mode selectable by software:
- “Mic” mode: bias power for electret microphone supplied
- “Line” mode: 2kΩ input impedance
- 3.9 VPP max, adjustable in sensitivity
- Frequency response 20 Hz .. 18 kHz (-3dB)*

Headphone output

- Female Jack 3.5 mm

USB

- Double USB connector type A female. USB sound card support for audio I/O (see list of tested devices in Firmware Release Note V1.3.3)

RS-232

- For serial TCP gateway

Contact input

- 1 discrete / dry contact input

Mechanical

- Aluminum case, 280g
- Dimensions 108 x 38 x 78.7 mm
- (4.25 x 1.5 x 3.1” inch)

- rack and wall mountable using optional accessories

Analog Line Output (mono)

- Transformer isolated, balanced (600 Ω) Output level software controllable
- Full scale output voltage: 5.7 dBu, 4.2 VPP,
- 4.7 dBm @ 600 Ω
- Frequency response 30 Hz .. 18 kHz (-3dB)*

Speaker out

- Suggested speaker impedance 8Ω (min.)
- 5 Watt max output power @ 8Ω
- Values @ 8Ω:
- Frequency response 25 Hz .. 12 kHz (-3dB)*,

Supported Audio formats

- OPUS
- G.711 (alaw ulaw) G.722
- G.722
- GSM
- iLBC
- Speex

MTBF

- min. 500 000h (according to MIL217F at 25°C)

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

2019.9260 MA400 SIP Opus Codec



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: support@barix.com

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