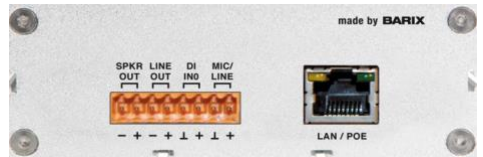


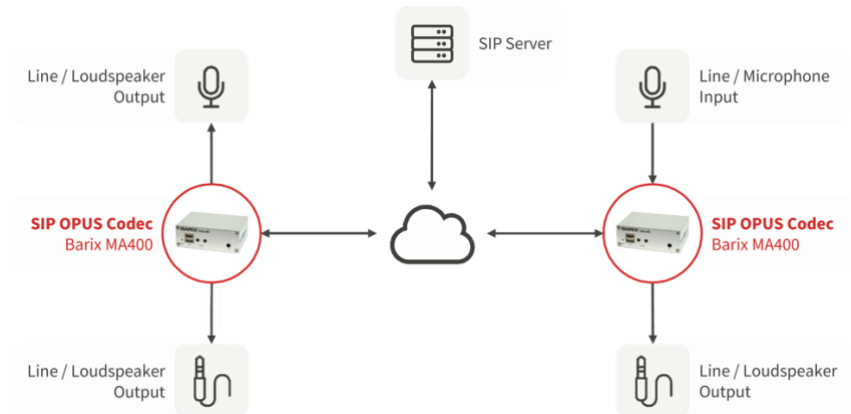
BARIX

MA400 SIP Opus Codec

Bi-directional mono opus codec with SIP link negotiation.



The BARIX MA400 SIP Opus Codec allows to establish a link between devices using standard SIP protocol and server. The unit provides an Opus encoded bi-directional mono link with microphone or line input and line and speaker output on both sides. This makes the BARIX MA400 SIP Opus Codec the ideal product for audio distribution or contribution in a SIP based environment.



Applications

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

Features

- Bi-directional mono Opus codec
- Microphone / line level input
- Audio level supervision with SNMP trap generation
- Support of multiple coding standards
- Line level output (balanced)
- Amplified output 5W (8 Ohm)
- Power over Ethernet (PoE)

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

LED

- 802.3af PoE support
- Protocols: TCP/IP, UDP, RTP, DHCP, Multicast capable

Audio Input

- Characteristics/mode selectable by software:
- "Mic" mode: tba, bias power for electret microphone supplied
- "Line" mode: 2k Ω input impedance
- 3.9 VPP max, adjustable in sensitivity
- Frequency response 20 Hz .. 18 kHz (-3dB)*
- Dynamic range 87 dB, SNR -87 dB, THD <0.1% (-3 dBFS)*

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

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)*
- Dynamic range 88 dB, SNR -88 dB, THD <tba% (-3dBFS)*

Speaker out

- Suggested speaker impedance 8 Ω (min.)
- 5 Watt max output power @ 8 Ω
- Values @ 8 Ω :
- Frequency response 25 Hz .. 12 kHz (-3dB)*,
- Dynamic range tba, SNR tba, THD <1% (-3dBFS)*

Supported Audio formats

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

Environmental

Operating Environment

- 0 to +50°C / 32 to 122°F

Storage Conditions

- -20 to +70°C / -4 to 158°F
- 0 - 70% relative humidity, non-condensing

Certifications/compliant with

RoHS, FCC, CE, C-Tick

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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