Exstreamer M400

Multiformat IP Audio Decoder.

The Exstreamer M400 feeds your PA and turns it into an extensive Audio over IP system. A wide variety of audio environments, such as SIP, InformaCast and Syn-Apps are supported. Codecs include PCM, AACplus, MP3, OPUS, G.711, G.722 that can be streamed using HTTP and RTP. Audio files can be stored on the internal memory and their playback can be triggered via a simple UDP command. Thanks to the priority handler, the Exstreamer M400 can be configured to switch between sources according to one of the five priority settings and therefore eliminates the need for an audio matrix device. The M400 is a solid metal device, compact and easily installed. It is connected to your amplifier, DSP or audio mixer via a stereo output on RCA connectors. The configuration of the device is done via the local web interface.

Applications

- SIP and IP Paging / Notification
- Background music
- Emergency triggered message playout
- Singlewire InformaCast integration
- Syn-Apps Revolution integration

Features

- L-R Line Out on RCA Connectors (unbalanced)
- Singlewire certified
- Multi-level message priority
- AACplus, MP3, G.711, G.722 over RTP
- SIP VoIP endpoint support
- Storage of local audio files for triggered playout
Technical Specifications

Operation System
• Embedded Linux based on Yocto

Network Interfaces
• 1 x Ethernet (RJ45) Interface
• IPv4, IPv6 capable
• 10/100 fdx/hdx, auto negotiation

Protocols
• TCP/IP, UDP, RTP, SRTP SIP, SIPS, HTTP, HTTPS, DHCP, mDNS/DNS-SD (Avahi), NTP
• Singlewire InformaCast compatibility
• Syn-Apps Revolution compatibility

CPU / Memory
• Barix IPAM400 Processor Module
• Quad-Core ARM Cortex™ -A7
• 2GB DDR3 SDRAM
• 16MB SPI Flash
• 8GB SD-Card Flash

Audio Formats
• MP3 CBR/VBR, up to 320 kbps, 8..48 kHz sample freq.
• AAC-HE (AAC, AAC plus, AAC plus V2)
• PCM linear 16bit @44.1 kHz
• G.711
• Opus, WAV, OGG Vorbis

Power Requirements
• 5VDC, 10W maximum on 6.5x1.5mm barrel connector (positive polarity)

MTBF
• > 200'000h

Measurement
• 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, FCC

Ordering Information

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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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