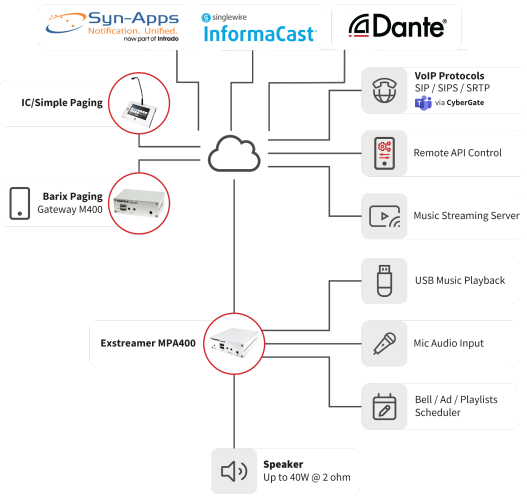
BARIX

Exstreamer MPA400

IP Audio Decoder and Amplifier

best of show 2022 AT ISE 2022 Winner AVTECHNOLOGY

The Exstreamer MPA400 feeds 2 – 8 Ohm Speakers and turns them into an extensive Audio over IP system. A wide variety of audio environments, such as Dante ®, SIP, InformaCast and Syn-Apps are supported. The codec supports PCM, AACplus, MP3, OPUS, G.711, G.722 that can be served over HTTP and RTP protocols. Audio files can be stored on the internal memory and their playback can be triggered via a simple UDP command. The MPA400 is a solid metal device, easily installed. All PoE standards are supported (up to 4PPoE) to feed the built-in 40W full digital class-D audio amplifier meeting different speaker requirements.If PoE is not an option, an external power supply can be deployed too. The device offers a modern and user-friendly web interface for its configuration. REST API to interface with third party applications is also available.



Applications

- Horn, wall, ceiling speaker driver
- Pre-recorded message
- VoIP integration
- Paging client
- Background music
- Emergency evacuation
- Dante ® support - requires extra license
- Singlewire InformaCast integration
- Syn-Apps Revolution integration
- AES67 compliant endpoint (Dante discovery supported)
- MS Teams endpoint via CyberGate service

Features

- Up to 40W RMS @ 4Ohm Speaker Output
- IEEE 802.3af / 802.3at / 802.3bt type 1 and type 2 or external Power Supply 24VDC, 50W max.
- Automatic Amplifier Setting according to input voltage and impedance detected
- Singlewire certified
- Multi-layer source priority management
- SIP Client with SIPS, SRTP support
- REST API to interface with 3rd party apps

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, NTP, DHCP, DNS
- Singlewire InformaCast compatibility
- Syn-Apps Revolution compatibility

USB, Serial Interfaces

- 2 x USB ports type A ports

Audio Interface

- Speaker Output on Screw Connector
- 2 – 8 Ohm Speaker Impedance
- 3.5mm TRS headphone connector on the front panel
- Microphone Input 3.3VDC Bias on Screw Connector

Audio Formats

- MP3 CBR/VBR, up to 320 kbps, up to 48 kHz
- AAC-HE (AAC, AAC plus, AAC plus V2)
- PCM linear 16bit @44.1 kHz
- G.711, G.722
- Opus
- WAV
- OGG Vorbis

CPU/Memory

- Barix IPAM400 Processor Module
- Quad-Core ARM Cortex™ -A7
- 256MB DDR3 SDRAM
- 16MB SPI Flash
- 8GB uSD-Card Flash

User Interface

- Web interface for configuration
- 2 x Multicolor LED Status indicators
- Reset & Factory Defaults Button

Power Requirements

- 24VDC, 50W maximum on 5.5x2.1mm barrel connector (positive polarity), screw locked
- PoE: IEEE 802.3af / 802.3at / 802.3bt type 1-2

MTBF

- > 200’000h

Measurement / Mechanics

- 108x38x125mm (4.25x1.5x4.92 inch)

Weight

- 350g

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

2020.9317P Exstreamer MPA400 PoE Package
Optional: 2022.2114P Power Supply Exstreamer MPA400 (24V_3.5)
2020.9325P Exstreamer MPA400 Informacast Package
2019.3160 InformaCast License (must be ordered with device)
2023.9411P Exstreamer MPA400 Dante®
2023.9412P Exstreamer MPA400 Dante® + InformaCast
Optional: 2022.2114P Power Supply Exstreamer MPA400 (24V_3.5A)
Optional: 2006.9072 Wall mount bracket - 116/30/29mm
Optional: 2007.9082 -19’’ Rack mount shelf
Optional: 2011.5032 Power supply 24VDC

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Direct Link

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