

BARIX

Exstreamer P5

Universal, Multiformat IP Audio Decoder with Amplifier, PoE powered.



The Exstreamer P5 is a member of the Barix Exstreamer product family, versatile Audio over IP codecs for use in a wide field of applications, from broadcast to instore, from distribution of music in hotels to SIP telephone paging applications.

Based on reliable, embedded, low power, solid state technology, the device is ideally suited for 24/7 operations, does not need cooling or maintenance, and is not prone to usual issues caused by operating systems.

The Exstreamer P5 provides amplified audio (5W RMS) directly into an 8 Ohm speaker. The device draws its power from an 802.3af Ethernet connection.

A serial and IR port (on an RJ-45 connector) allows direct connection of the Barix VSC or similar in-room controls.

Various standard software packages for specific applications are available for download from the Barix website, from applications optimized for hospitality, retail and broadcast to a full featured SIP client, suitable as a paging interface. Custom software can easily be written, based on existing packages from Barix or freely in the ABCL (Basic dialect) scripting language.

Applications

- Overhead Speaker Interface with Amplifier
- Commercial audio streaming applications
- Playback point in an IP PA system
- In-room IP Device for Hotels, Venues
- In-store audio distribution
- SIP based paging interface
- Zone output device for IP distributed audio

Features

- All-in-one solution for Audio over IP decoding and distribution
- Supports IP standards such as HTTP, RTP, SIP, Multicast
- Suitable for use in broadcast, paging, in-store applications
- Supports Audio formats such as AAC+ V2, MP3, PCM, Ogg Vorbis, G.711
- RS-485 Serial Interface for IR and local control
- Integrated 5W (mono) RMS Amplifier
- PoE (802.3af) powered

Technical Specifications

Electrical

- Power supply via 802.3af (PoE) Ethernet, 12 Watt max.
- 10V supply output to in-room control

Ethernet

- 10/100Mbps auto, 802.3af
- RJ-45 connector with integrated Link/Activity LED
- Protocols: TCP/IP, UDP, RTP, SIP, DHCP, Multicast capable

Analog Output

- Amplified mono output, short circuit and overload protected
- Output power: 5WRMS (8 Ohm), 2,5WRMS (16 Ohm)
- Frequency response (-3dB): 20Hz ..12kHz (8 Ohm), 25Hz ..20kHz (16 Ohm) *
- SNR (-3dBFS): -90 dB (8 Ohm), -75 dB (16 Ohm)
- THD <0.7% (8 Ohm), <0.3% (16 Ohm)

Control Interface (RJ-45)

- Direct support for Barix VSC (Volume Source Control)
- RS-485, 300..230'400 Baud asynchronous
- IR input on separate line
- 10V supply output for in-room control

IR Interface

- IR via serial port interface connection
- Supports Barix IR receiver (with adapter) and VSC
- Audio formats**
- MP3 CBR/VBR, up to 320kbps, 8..48kHz sample freq.
- AAC plus, AAC-HE (AAC plus V2)
- WMA (up to version 9), OGG Vorbis
- PCM 16bit @8, 16, 22.05, 24, 32, 44.1, 48 kHz
- G.711, uLaw, aLaw (sample rates same as PCM)

Mechanical

- Aluminum case, 300g, with mounting wings for direct wall mounting

Dimensions (W x H x D)

- 108x38x78.7mm (4.25x1.5x3.1 inch) plus mounting wings

MTBF

- Min. 440 000h
- Calculated acc. to MIL217F at 25°C

*depends on used codec, best results @48kHz PCM

Environmental

Operating Environment

0 to +55°C / 32 to 131°F

Storage Conditions

0 to +70°C / 32 to 158°F

0 - 70% relative humidity, non-condensing

Certifications

CE, RoHS, others in examination

Immunity

according to EN 55024, EN 61000-4-2, -4-4, -4-5, -4-6

Emissions

according to EN 55022

Product Safety

according to EN 60590

Ordering Information

2010.9104 Exstreamer P5 PoE 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: support@barix.com

Barix AG

Limmatstrasse 21, 8005 Zürich, Switzerland
Phone: +41 434 33 22 11
www.barix.com



Direct Link