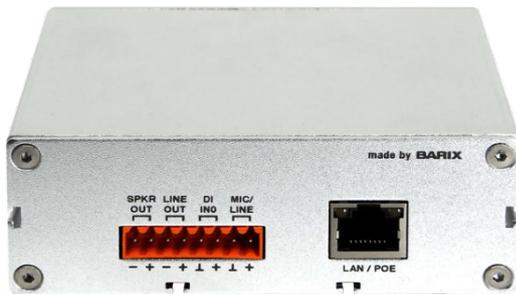


# BARIX

## Annunicom 60

Paging / Intercom device, mic/speaker support, balanced audio interface PoE.



The Annunicom 60 is a generic IP Audio device designed to serve as a gateway between IP based VoIP, Paging, Intercom systems and traditional systems or call boxes, loudspeakers and microphones.

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

The Annunicom 60 can be operated with standard IP Audio firmware or a SIP application firmware from Barix. Custom applications can be loaded as well. The Annunicom 60 allows direct connection of a typical ceiling speaker, an amplifier (balanced interface), microphone or line input and a dry contact. A serial port allows control of RS-232 devices, locally or via the network.

---

### Applications

- Generic VoIP Intercom and Paging Device with speaker amplifier
- Classroom VoIP device with built-in amplifier, talk back, serial port
- Microphone Encoder for IP Audio Surveillance
- Help Point/SOS call box device
- Door Intercom Controller, VoIP based
- Generic, bidirectional full-duplex VoIP module for Paging and Intercom applications
- SIP and IP Paging Zone Device

### Features

- MP3, G711, G.722, PCM Encoding
- AACplus, MP3, Ogg Vorbis, G.711, G.722, PCM Decoding
- Shoutcast/Icecast Source capability
- Audio Level Supervision with SNMP Trap generation
- IP Streaming via TCP, UDP, RTP, Multicast
- Microphone Input
- Line Level Output (balanced)
- Amplified Output 5W (80hm)
- Contact Closure Input (1)
- RS-232 Serial Port
- Power Supply (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:  
2.9 VDC, bias power for electret microphone supplied
- "Line" mode: 2k $\Omega$  input impedance, 3.9 Vpp max, adjustable in sensitivity
- Frequency response 25 Hz .. 19 kHz (-3dB)\*
- Dynamic range 85 dB, SNR -85 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  $\Omega$ )
- Output level software controllable
- Full scale output voltage: 5.2 dBu, 4.0 Vpp
- Frequency response 35 Hz .. 17 kHz (-3dB)\*
- Dynamic range 85 dB, SNR -85 dB, THD <0.5% (-3dBFS)\*

## Speaker out

- Suggested speaker impedance 8 $\Omega$  (min.)
- 5 Watt max output power @ 8 $\Omega$
- Values @ 8 $\Omega$ :  
Frequency response 25 Hz .. 16 kHz (-3dB)\*,  
Dynamic range 87 dB, SNR 87 dB, THD <1% (-3dBFS)\*

## RS-232 Interface

- On 9-pin Sub-D connector, male
- 5-wire (Tx, Rx, RTS, CTS, GND)
- 300..230'400 Baud asynchronous, tunneling or local control

## Supported Audio formats

- PCM, G.711, G.722, MP3 encode/decode
- AAC+ decode
- PCM 16 bit and 8 bit (uLaw, aLaw) @ 8..48 kHz

## Discrete I/O (Contact Closure Input)

- 1 discrete / dry contact input

\* depends on used codec, best results @48kHz PC

---

## 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, others in examination

## Ordering Information

2012.9120 Annunicom 60

2006.9072 Wall mount bracket

2007.9082 19" Rack mount shelf (for up to 4 devices)

2006.9054 Cable set Audio

2014.0095 VSC Active Adapter



For commercial related questions (distributors contacts, price list, business opportunities) please contact: [sales@barix.com](mailto:sales@barix.com)



For technical inquiries (problem reports, request for documentation, etc.) please contact: [support@barix.com](mailto:support@barix.com)

---

## Barix AG

Limmatstrasse 21, 8005 Zürich, Switzerland

Phone: +41 434 33 22 11

[www.barix.com](http://www.barix.com)

