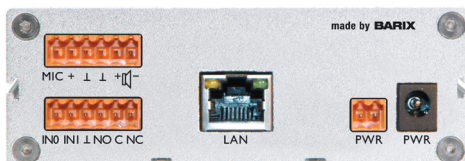
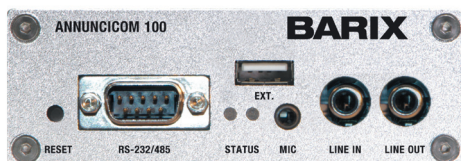


# BARIX

THE VOICE OF SIMPLICITY

## ANNUNCICOM 100

Intercom / Paging device with contact closure inputs and relay output, 2W amplifier



The Annunicom 100 is a versatile Audio over IP device designed to serve as a gateway between IP Paging, VoIP and Intercom systems and traditional microphone/speakers or amplifiers.

Supporting both music (MP3) as well as voice codecs (G.711, G.722\*) and a large number of protocols (including shoutcast, SIP etc), the device can be used for both background music as well as VoIP applications.

### Applications

- VHF Radio Controller and interface to IP
- Microphone Encoder for IP Audio Surveillance
- Door Intercom Controller, VoIP based
- Help Point/SOS call box device
- Classroom VoIP device with built-in amplifier, talkback, serial port
- Paging and Audio Distribution with Amplifier control and monitoring
- Live IP Audio Encoder for Streaming Applications
- Generic, bidirectional full-duplex VoIP module for Paging and Intercom applications
- Digital Annunciator, Message Player, Message Repeater
- SIP and IP Paging Zone Device

### Features

- MP3, G.711, G.722\*, PCM Encoding
- MP3, 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 Input
- Line Level Output
- Amplified Output 2W (80hm)
- Relay Output (1)
- Contact Closure Input (2)
- RS-232 Serial Port (1)
- RS-485 Serial Port (1)
- Supply Voltage (9..30VDC, 12..24 VAC)

\* Hardware revision 2 only

# Technical Specifications

## Electrical

- 9 to 30 VDC, 12 to 24 VAC, 8 Watt max. on screw terminal block and 2.1mm barrel connector

## Ethernet

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

## Microphone Input

- On detachable screw terminal block and 3.5 mm (1/8") Jack
- 3 pin TRS, with bias power 2.7VDC

## Analog Line Input (mono)

- Line level input, 2k Ohm input impedance on RCA 2.2 VPP max, adjustable in sensitivity
- Frequency response 20 Hz .. 20 kHz (-3dB)\*\*
- Dynamic range 87 dB, SNR -87 dB, THD <0.01% (-3dBFS)\*\*

## Analog Line Output (mono)

- Line level output, 40..60 Ohm output impedance on RCA
- Output level software controllable
- Full scale output voltage: 3 dBu, 3 VPP
- Frequency response 20 Hz .. 20 kHz (-3dB)\*\*
- Dynamic range 94 dB, SNR -94 dB, THD <0.03 % (-3dBFS)\*\*

## RS-232 and RS-485 Interfaces

- On 9-pin Sub-D connector
- 300..230'400 Baud asynchronous, tunneling or local control

## Speaker out

- On detachable screw terminal block
- Suggested speaker impedance 4 to 32 Ohm
- 1 Watt max @ 8 Ohm (2 W max @ 4 Ohm)
- Frequency response 20 Hz .. 20 kHz (-3dB)\*\*
- Dynamic range 80dB, SNR -80dB, THD <0.15% (-3dBFS)\*\*

## MTBF

- calculation 560 000h (according to MIL217F at 25°C)

## Mechanical

- Aluminum case, 390 g
- Dimensions 108 x 38 x 125 mm (4.25 x 1.5 x 4.92 inch) rack and wall mountable using accessories

## Audio formats

| Format | Encode    | Decode    |
|--------|-----------|-----------|
| PCM    | y         | y         |
| G.711  | y         | y         |
| G.722* | y         | y         |
| MP3    | VBR, CBR* | VBR, CBR* |

## Model comparison

| Model | Supply                             | PoE | USB | AIPHONE | AMP     |
|-------|------------------------------------|-----|-----|---------|---------|
| 50    | (48VDC)                            | Y   | -   | -       | 5WATT   |
| 100   | 9..30 VDC<br>12..24 VAC            | -   | Y   | -       | 2WATT   |
| 155   | 24..48 VDC                         | -   | -   | -       | 5.5WATT |
| 200   | 16..30 VDC<br>48 VDC<br>16..24 VAC | Y   | Y   | Y       | 8WATT   |
| 1000  | 24..48 VDC                         | -   | -   | -       | -       |

## Discrete I/O

- On detachable screw terminal block:
- 1 relay output with normally closed and open contacts, 30V 0.5A (AC & DC)
- 2 discrete / dry contact inputs

\* Hardware revision 2 only

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

# Environmental

## Operating Environment

0 to +50°C / 32 to 122°F

Max rated temperature range -20 to +60°C / -4 to 140°F

## Storage Conditions

-40 to +85°C / -40 to 185°F

all ranges at 0 - 70% relative humidity, non-condensing

# Certifications/compliant with

RoHS, FCC, CE, C-Tick

# Ordering Information

2006.9062 Annunicom 100 EU package  
2005.9063 Annunicom 100 US package  
2005.9064 Annunicom 100 NoPSU package  
2005.9065 Annunicom 100 UK package

2011.5032 Accessories Power supply 24VDC  
2006.9072 Accessories Wall mount bracket  
2007.9082 Accessories 19" Rack mount  
2006.9054 Accessories Cable Set Audio

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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