

## Annunicom 1000

Professional Intercom / Paging device with supervised contact closures and relay outputs, 48V capable.



The Annunicom 1000 is a professional Audio over IP device. With balanced audio and supervised I/O, it is ideal to serve as a gateway between IP Paging, VoIP and Intercom systems.

Supporting both high quality music (MP3) as well as voice codecs (G.711 and G.722\*) and a large number of protocols (including Shoutcast/Icecast, RTP, SIP etc), the device can be used for both surveillance as well as VoIP applications.

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### Applications

- VHF Radio Controller and interface to IP
- Microphone Encoder for IP Audio Surveillance
- Automatic Announcement Systems
- Voice Evacuation Systems
- 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
- SIP and IP Paging Zone Device

### Features

- MP3, G.711, G.722\*, PCM Encoding
- MP3, G.711, G.722\*, PCM Decoding
- Audio Level Supervision with SNMP Trap generation
- IP Streaming via TCP, UDP, RTP, Multicast
- Microphone Input
- Balanced Line Level Input (2)
- Balanced Line Level Output (2)
- Relay Output (8+1)
- Supervised Contact Closure Input (8)
- RS-232 Serial Port (1)
- RS-485 Serial Port (1)
- Supply Voltage (24-48VDC)
- Battery Backup Supply Input

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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)



# Technical Specifications

## Audio formats

### Power inputs

- Two independent, level supervised inputs
- 24 to 48 VDC  $\pm 20\%$  (pos. or neg.), 8 Watt max.

### Discrete Interfaces

- 8 supervised Inputs
- 8 Relays with normally open contacts, max. 50V 1A (dry contacts)
- 1 Fault Relay output

### Audio Interfaces

Mic In (Balanced, Phantom power) or Balanced Stereo Line In, 18 kOhm impedance

- Input level software controllable
- Clipping level 3.5 dBu, 3.28 Vpp
- Frequency response (-3 dBFS) 20 .. 17000 Hz \*\*
- Signal to Noise Ratio 88 dB, THD (-3 dBFS) < 0.1 %
- Stereo crosstalk -87 dB

Balanced Stereo Line Out, 40 .. 60 Ohm impedance

- Output level software controllable
- Full scale output voltage 5.9 dBu, 4.33 Vpp
- Frequency response (-3 dBFS) 15 .. 21000 Hz \*\*
- Signal to Noise Ratio 92 dB, THD (-3 dBFS) < 0.1 %
- Stereo crosstalk -66 dB

\* Hardware revision 2 only

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

### Serial Interfaces

- RS-232 DSub 9 pin male, 300..115200 Baud
- RS-485 screw terminal block, 300..115200 Baud

### Control Interfaces

- web server for control and configuration
- several network API interfaces and serial, depending on loaded firmware

### Network Interface

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

### Misc

- Ten status LEDs,
- reset/factory default button
- Internal temperature sensor

### Case

- Aluminum, 745 g
- Dimensions: 216 mm x 38 mm x 125 mm (8.5 x 1.5 x 4.92 inch)
- rack and wall mountable using accessories

### MTBF

- Min. 300 000h acc. to MIL217F at 25°C ambient temperature

## Environmental

### Operating Environment

-0 to +40°C / 32 to 104°F

### Storage Conditions

-0 to +70°C / 32 to 158°F

both 0 - 70% relative humidity, non-condensing

Format	Encode	Decode
PCM	Y	Y
G.711	Y	Y
G.722*	Y	Y
MP3	VBR, CBR*	VBR, CBR*



## Certifications

CE, RoHS, others in examination

2007.9076 Annunicom 1000 INTL

2007.9082 19" Rack mount shelf

2006.9054 Cable set Audio

2014.0095 VSC Active Adapter

## Ordering Information

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