BARIX
THE VOICE OF SIMPLICITY

ANNUNCICOM 1000

Professional Intercom / Paging device with supervised contact closures and relay outputs, 48V capable
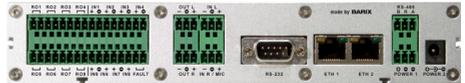
The Annuncicom 1000 is a professional Audio over IP device. With balanced audio and supervised I/O, it is ideal to serve as a gateway between IP Paging, VoIP and Intercom systems.

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

Applications

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

* Hardware revision 2 only

Technical Specifications

Audio formats

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

Discrete Interfaces
- 8 supervised Inputs, 8 Relays (dry contacts)
- 1 Fault Relay output

Audio Interfaces
Mic In (Balanced, Phantom power) or Balanced
Balanced Stereo Line In, 18 kOhm impedance
- Input level software controllable
- Clippinglevel 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

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

Network Interface
- RJ45 10/100 Mbit Ethernet (Auto), TCP/IP, UDP, RTP, SIP, DHCP, SNMP, AutoIP, SonicIP, IPzator

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

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

Case:
- Aluminum, 745 g, 8.5" x 1.5" x 4.92"
  216 mm x 38 mm x 125 mm

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

* Hardware revision 2 only
** depeds on used codec, best results @48KHz PCM

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

Certifications/compliant with

FCC A, CE A, RoHS compliant (lead free)

Ordering Information

2007.9076 Annuncicom 1000 INTL

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
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