

BARIX

Annunicom 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
- Door Intercom Controller, VoIP based
- 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
- SIP and IP Paging Zone device
- Digital Annunciator, Message Player/Repeater

Features

- MP3, G711, 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 Output
- Amplified Output 2W (80hm)
- Contact Closure Input (2)
- Relay output (1)
- RS-232 Serial Port (1)
- RS-485 Serial Port (1)
- Supply Voltage (9-30 VDC, 12-24 VAC)

* Hardware Revision 2 (DHW:2.x, see bottom label on the device) only.

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

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, 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

- Both on one 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
60	(48VDC)	Y	-	-	5W
100	9..30 VDC 12..24 VAC	-	Y	-	2W
155	24..48 VDC	-	-	-	5.5W
200	16..30 VDC 48 VDC 16..24 VAC	Y	Y	Y	8W
1000	24..48 VDC	-	-	-	-

Discrete I/O

On detachable screw terminal block:

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

Environmental

Operating Environment

0 to +50°C / 32 to 122°F

Max rated temperature range -20 to +60°C / -4 to 140°F all ranges at 0 - 70% relative humidity, non-condensing

Storage Conditions

-40 to +85°C / -40 to 185°F

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

Certifications

CE, RoHS, others in examination

Ordering Information

2006.9063 Annunicom 100 US package
 2006.9062 Annunicom 100 EU Package
 2006.9064 Annunicom 100 NoPSU package
 2006.9065P 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
 2014.0095 Accessories VSC Active Adapter
 2003.9017 IR Dongle Set

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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