

BARIX

Annunicom 200

Intercom / Paging device with contact closure inputs and relay output, 8W amplifier.



The Annunicom 200 is a versatile Audio over IP device designed to serve as a gateway between IP Paging, VoIP and Intercom systems and traditional microphone/speakers, Aiphone stations or amplifiers.

Supporting both music (MP3) as well as voice codecs (G.711, G.722*) and a large number of protocols (including Shoutcast/Icecast, 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
- SIP and IP Paging Zone Device
- Digital Annunciator, Message Player,
- Message Repeater

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 8W (8 Ohm)
- Relay Output (1)
- Contact Closure Input (2)
- RS-232 Serial Port (1)
- RS-485 Serial Port (1)
- Isolated Power Supply Input (PoE or ext)
- Supply Voltage (16..30VDC or 48VDC)
- Aiphone Door Station Interface (IE/JE series)

* Hardware revision 2 only



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

Technical Specifications

Electrical

- 16 to 30 VDC, 16 to 24 VAC, 12 Watt max. on screw terminal block and 2.1mm barrel connector
- 802.3af PoE 48 VDC, 12 Watt max. on RJ-45 connector and on screw terminal block

Ethernet

- 10/100Mbps auto-sensing
- 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

Aiphone sub interface

- For Aiphone „IE“ door stations, on screw terminal block

Analog Line Input (mono)

- Line level input, 2k Ohm input impedance on on screw terminal block, 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 screw terminal block, 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 9-pin Sub-D connector
- 300..230'400 Baud asynchronous, tunneling or local control

Speaker out

- On detachable screw terminal block
- Suggested speaker impedance 8 to 16 Ohm
- 8 Watt max @ 8 Ohm
- Frequency response 20 Hz .. 20 kHz (-3dB)**
- Dynamic range 80dB, SNR -80dB, THD <0.15% (-3dBFS)**

Mechanical

- Aluminum case, 420 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 open contacts, 30V 0.5A (AC & DC)
- 2 discrete / dry contact inputs

MTBF

- calculation min. 370 000h (according to MIL217F at 25°C)

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** 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

CE, RoHS, others in examination

Ordering Information

2008.9090 Annunicom 200 PoE 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

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