ANNUNCICOM 200
Intercom / Paging device with contact closure inputs and relay output, 8W amplifier

The Annuncicom 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, 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
**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,
- 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**
- 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
- Frequency response 20 Hz .. 20 kHz (-3dB)**
- Dynamic range 80dB, SNR -80dB, THD <0.15% (-3dBFS)**

**Audio formats**

<table>
<thead>
<tr>
<th>Format</th>
<th>Encode</th>
<th>Decode</th>
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<tbody>
<tr>
<td>PCM</td>
<td>y</td>
<td>y</td>
</tr>
<tr>
<td>G.711</td>
<td>y</td>
<td>y</td>
</tr>
<tr>
<td>G.722*</td>
<td>y</td>
<td>y</td>
</tr>
<tr>
<td>MP3</td>
<td>VBR, CBR*</td>
<td>VBR, CBR*</td>
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**Model comparison**

<table>
<thead>
<tr>
<th>Model</th>
<th>Supply</th>
<th>PoE</th>
<th>USB</th>
<th>AIPHONE</th>
<th>AMP</th>
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<tbody>
<tr>
<td>50</td>
<td>(48VDC)</td>
<td>Y</td>
<td>-</td>
<td>-</td>
<td>5WATT</td>
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<tr>
<td>100</td>
<td>9..30 VDC</td>
<td>-</td>
<td>Y</td>
<td>-</td>
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<tr>
<td>12..24 VAC</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>155</td>
<td>24..48 VDC</td>
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<td>-</td>
<td>-</td>
<td>5.5WATT</td>
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<tr>
<td>200</td>
<td>16..30 VDC</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>8WATT</td>
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<tr>
<td>48 VDC</td>
<td>16..24 VAC</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>1000</td>
<td>24..48 VDC</td>
<td>-</td>
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**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)
- Hardware revision 2 only
- **depends on used codec, best results @48kHz PCM**

**Environmental**

**Ordering Information**

2006.9090 Annuncicom 200 PoE package
2011.5032 Accessories Power supply 24VDC
2006.9072 Accessories Wall mount bracket

For commercial related questions (distributors contacts, price list, business opportunities) please contact
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For technical inquiries (problem reports, request for documentation, etc) please contact
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