

Annunicom 4000

Professional Intercom / Paging device with contact closure inputs, relay outputs, balanced line level audio interfaces. Redundant Power inputs.

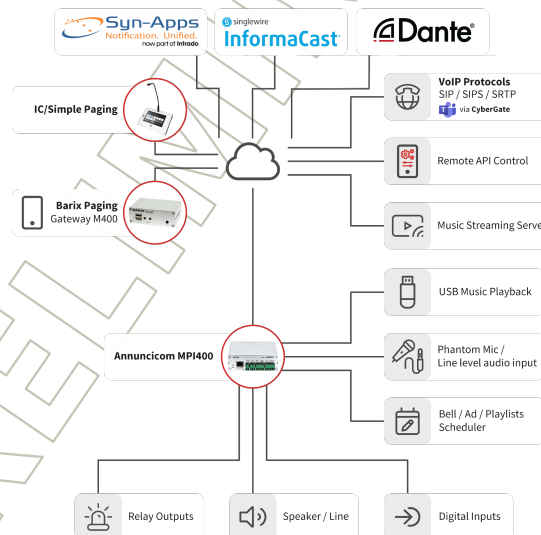


The Annunicom 4000 is a versatile Audio over IP device designed to serve as an endpoint or gateway between IP based intercom (VoIP/SIP or streaming) and traditional paging/intercom systems or an amplifier.

The modern, robust & powerful hardware/software architecture provides a future proof platform that meets modern internet security requirements and can easily be adapted to individual customer needs.

A wide variety of audio environments, such as Dante®, SIP, InformaCast and Syn-Apps are supported. Codecs include PCM, AACplus, MP3, OPUS, G.711, G.722 that can be streamed using HTTP and RTP. Audio files can be stored on the internal memory and their playback can be triggered via a simple UDP command or scheduled. Thanks to the priority handler, the Annunicom 4000 can be configured to switch between sources according to one of the five priority settings and therefore eliminates the need for an audio matrix device. VLAN and redundant IP interfaces allow the integration into high availability, segmented, secure network environments.

A redundant power supply (highly versatile, isolated power input plus PoE) add to the highest reliability this device provides.



Applications

- EVAC intercom interface
- Generic, bidirectional half and full-duplex VoIP module for Paging and Intercom applications
- IP based Audio Surveillance
- Digital Annunciator, Message Player
- VHF Radio interface to IP networks
- Dante® support - requires extra license
- MS Teams endpoint via CyberGate service

Features

- SIP VoIP client support
- Barix IPAC firmware including SIP, HTTP and RTP support
- Variety of Audio codecs supported (e.g. AAC+, MP3, PCM, G.711, G.722, OPUS ...)
- Internet security supported (HTTPS, SRTP, SIPS)
- Low voltage Relay Outputs which can activate amplifier upon SIP call received (Zone selection)
- Isolated Dry Contact Inputs, for error/ready/target selection info
- Dual Line Level Input 0dBu, balanced)
- Dual Line Level Output 0dBu, balanced)

Technical Specifications

CPU / Memory

- Barix IPAM400 Processor Module
- Quad-Core ARM Cortex™ -A7
- 512 MB DDR3 SDRAM
- 16MB rescue SPI flash
- 8GB eMMC

Operating System

- Embedded Linux based on Yocto
- Fully programmable by OEMs

Power interface

- 18-72V universal power input, isolated (suitable to accept 24V or -48V)
- POE (802.3af/at)
- Simultaneous POE and DC for power redundancy

Network Interface

- 2x 10/100Mbps auto-sensing (one with POE)
- RJ-45 connector with integrated Link /Activity LED
- IPv4/IPv6 capable
- VLAN capable

Protocols

- TCP/IP, HTTP, UDP, RTP, SIP, DHCP, Multicast capable
- Dante® Support - Requires extra license
- Singlewire InformaCast and Intrado Revolution compatibility - requires extra license

RS232 Interface

- on DB9 connector

USB Interface

- 1x USB 2.0 type A interfaces

Discrete I/O

- On detachable screw terminal blocks
- 8x Normally open relay 60V 0.5A
- 8+1 digital dry contact inputs

Audio interfaces

- On detachable screw terminal blocks
- Dual Line level input: balanced 0dBu (+/-3dB software adjustable)
- Dual Line level output: balanced 0dBu (+/-3dB software adjustable)
- Decoupled listening port 3.5mm with 3.5mm headphone connector

IP Audio formats

- FDX/HDX SIP client support
- HTTP(S) and (S)RTP Streaming
- Large variety of codecs can be supported (e.g. MP3, PCM, G.711, G.722, AAC+, OPUS)

User Interface

- Web interface for configuration
- 2 + 16 LED for device and I/O status
- Recessed Reset/Factory Defaults Button

Mechanical

- Aluminum, 750 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

Warranty

- Two years

Environmental

Operating Environment

0 to +50°C / 32 to 122°F
0 - 70% relative humidity, non-condensing

Storage Conditions

-20 to +70°C / -4 to 158°F
0 - 70% relative humidity, non-condensing

Ordering Information

2025.946xP_Annunicom 4000 Package
2007.9082 Accessories 19" Rack mount

Certifications

CE, RoHS, FCC

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For commercial related questions (distributors contacts, price list, business opportunities) please contact: sales@barix.com



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