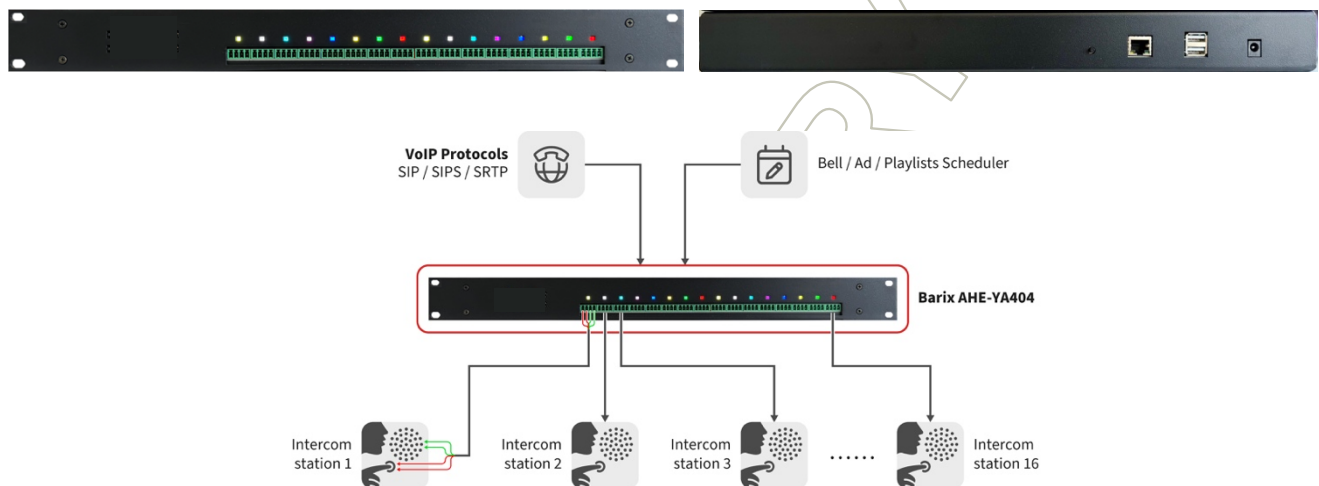


Annuncicom AHE-YA404

Analog Head End with VoIP/SIP Intercom and Paging functionalities to interface with up to 16x 2 or 4 wire talk stations.

Upgrade your analog intercom system without removing cables or intercom panels.



The Annuncicom AHE-YA404 is a powerful all-in-one Analog Head End solution designed to modernize legacy 2- or 4-wire intercom and paging systems—without the need to replace existing cabling or call stations. With integrated **VoIP SIP support** and onboard amplification, the AHE-YA404 enables seamless paging and intercom functionality from standard SIP phones to **up to 16 individual 2 or 4 wire intercom panels**.

The Barix AHE-YA404 allows direct connection to speaker/microphone and call-button panels, enabling two-way HDX communication and room monitoring in applications such as help points, emergency intercoms, and security systems. It provides 2.5 Watt audio power to each of the 16 locations via 25V or 70V technology. Its modern hardware and software architecture ensure long-term reliability, full compliance with current internet security standards, and easy adaptation to specific customer needs. The YA404 supports a wide range of professional audio environments including **Dante®, SIP, InformaCast**, and **Syn-Apps**, and handles popular codecs such as PCM, AACplus, MP3, OPUS, G.711, and G.722 as well as advanced features like **priority-based paging, background music**, and **scheduled or network-triggered audio file playback**, all in one unit.

Configuration via browser interface and clearly visible status LEDs simplify both installation and maintenance, making the Annuncicom AHE-YA404 an ideal choice for both new deployments and upgrades to existing 2 or 4 wire infrastructure in mission-critical environments.

Applications

- Paging / intercom device for classrooms, hospitals, elevators, factories, public transportation, prisons etc.
- Door Intercom station
- Help Point/SOS call box device
- Generic, bidirectional half-duplex VoIP module for Paging and Intercom applications
- IP based Audio Surveillance
- Digital Annunciator, Message Player
- Dante® support - requires extra license
- MS Teams endpoint via CyberGate service

Features

- 17 SIP VoIP clients supported (one per each station and one for ALL station page)
- IP Streaming via HTTP, UDP, RTP, Multicast, Uni- or Broadcast
- Variety of Audio codecs supported (e.g. AAC+, MP3, PCM, G.711, G.722, OPUS ...)
- Internet security supported (HTTPS, SRTP, SIPS)
- Dry Contact Inputs (16) to establish a SIP connection to the configured central station
- Half Duplex managed by automatic voice detection on the central station side
- Speaker as Microphone capability
- 25V, 70V Audio Output for constant voltage audio distribution (50W max.)

Technical Specifications

CPU / Memory

- Barix IPAM404 Processor Module
- Quad-Core ARM Cortex™ -A7
- 512 MB DDR3 SDRAM
- 16 MB SPI Flash

Operating System

- Embedded Linux based on Yocto

Power interface

- 24 VDC on 2.1mm barrel connector

Network Interface

- 10/100Mbps auto-sensing
- RJ-45 connector with integrated Link /Activity LED
- IPv4/IPv6 capable

Protocols

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

USB Interface

- 2x USB 2.0 type A interfaces

Call Station Interfaces

- (16x) 4-wire interfaces with speaker/mic +/- and dry contact closure +/-gnd
Speaker out Paging: 25V/70V constant voltage with max. 50W power output
Speaker Out Intercom: 2.5W power output (only 1 station at a time can be in Intercom mode)
The speaker / mic functionality is vox-controlled by the call center side (monitoring station)

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
- 16 x Multicolor LED Status indicators
- Reset & Factory Defaults Button

Mechanical

- Metal case
- Dimensions: 19" 1 RU , 20 cm / 7,87 inch deep

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

2025.9463P_Annunicom AHE YA404 Package

With Informacast:

2025.9464P_Annunicom AHE YA404 Informacast Package - requires Singlewire's InformaCast license: 2019.3160 InformaCast License

With Dante®:

2025.9465P_Annunicom AHE YA404 Dante® – Including Dante® license
2025.9466P_Annunicom AHE YA404 Dante® + InformaCast Package – Including Dante® license and requires Singlewire's InformaCast license 2019.3160 InformaCast License

Certifications

CE, RoHS, FCC

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Direct Link

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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