BARIX ONSITE

ANNUNCICOM 1000

Network intercom and PA with extensive I/O for commercial, industrial and security applications

Transmits voice, alarm messages, contact closures, pre-recorded announcements and music over the network

For Paging / Intercom communication in commercial and public buildings, e.g. airports, shopping malls and remote facilities such as railway stations

Communicates over a standard network connection (10/100 Mbit/s) and supports IP standards such as RTP and SIP, VoIP and MP3 Audio Codecs

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BARIX

Technical Specifications

Audio Formats:
MP3 encoding up to 192 kBit VBR, decoding up to 320 kBit (Stereo), G.711 (uLaw/aLaw @ 8 or 24 kHz) and PCM (16 bit @ 8 or 24 kHz)

Discrete Interfaces:
8 supervised Inputs, 8 Relays (dry contacts)
1 Fault Relay output

Audio Interfaces:
Mic In (Balanced, Phantom power) or Balanced Stereo Line In (configurable), Balanced Stereo Line Out, in / output level software adjustable

Serial Interfaces:
RS-232 DSub 9 pin male, 300..115200 Baud,
RS-485 screw terminal block, 300..115200 Baud

Control Interfaces:
web server for control and configuration

Network Interface:
RJ45 10/100 Mbit Ethernet (Auto), TCP/IP, UDP, RTP, SIP, DHCP, SNMP, AutoIP, SonicIP, IPzator

Misc:
Ten status LEDs, reset/factory default button, Internal temperature sensor

Power inputs:
Two independent, level supervised inputs
24 to 48 VDC ±20% (pos. or neg.), 8 Watt max.

Case:
Aluminum, 745 g, 8.5" x 1.5" x 4.92"
216 mm x 38 mm x 125 mm

Reliability,environmental conditions:
MTBF: Min. 61'000h acc. to MIL217F at 24 VDC supply and 40°C ambient temperature
Operating temp.:0 to +40°C / 32 to 104°F,
storage temp.: 0 to +70°C / 32 to 158°F,
both 0 - 70% relative humidity, non-condensing

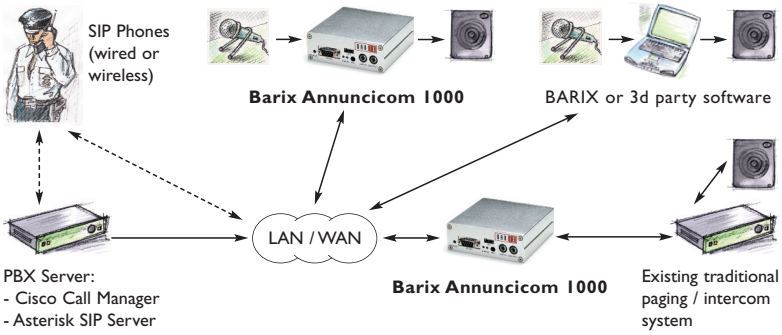
Certifications:
FCC A, CE A, RoHS compliant (lead free)

Overview

The Barix Annuncicom 1000 is a universal, IP based audio device supporting VoIP and Audio over IP applications. The Annuncicom 1000 is an ideal solution for bridging audio and contact closures over LAN and WAN networks. In addition to extending and interfacing traditional paging and intercom systems, such systems can be built without using central intelligence, completely PC free.

The Annuncicom 1000 is part of a whole range of devices from Barix geared towards professional IP Audio solutions. Eight supervised contact closure inputs, eight relay outputs, two serial interfaces (RS-232 and RS-485), professional grade, balanced audio inputs and outputs and dual redundant, 24/48 V capable power inputs give the device maximum flexibility for use in high reliability applications.

All devices are programmable using the Barix ABCL environment that includes the source code for a PA/Intercom application. This application can be used as is, or adapted to a customer's specific needs.
Central PA/Intercom software is available from Barix free of charge, along with protocol and API documentation, enabling easy integration into proprietary solutions.
A SIP compatible firmware is available for the devices, so that the components seamlessly integrate with VoIP phone systems, which enables a SIP phone to make announcements to a single station and door intercom functionality (call initiation by Annuncicom). Adding a PBX (SIP Server) enables further functions like group calls and broadcast messaging from attached phones.



Typical Applications

- Public address, emergency calls, alarms and paging
- Paging and audio distribution with speaker circuit control
- Monitor and control communication (in public buildings, airports, manufacturing facilities, and shopping malls)
- VHF radio control via IP application or SIP phone
- Live audio distribution over a WAN infrastructure
- Multi-channel audio distribution via multicast
- Automatic announcement systems

For further information, distribution partners, detailed technical specifications and information about other versions and products please visit **www.barix.com**