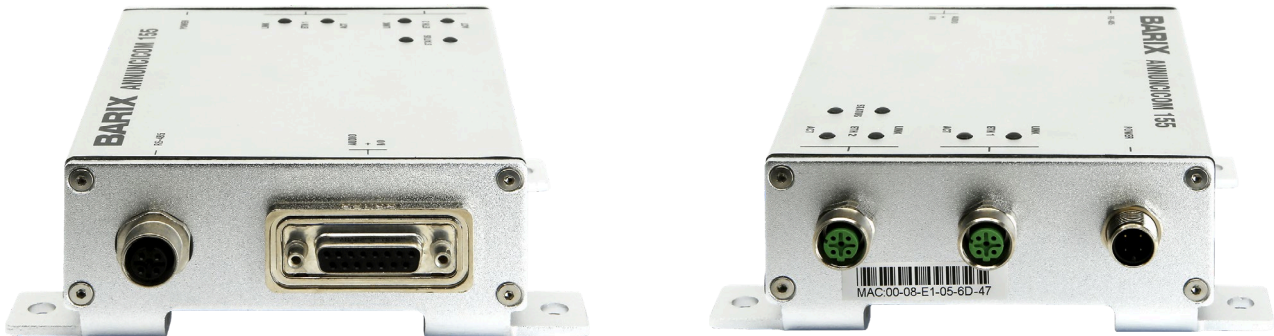


Annunicom 155

Industrial, ruggedized device with dual Ethernet supervised Mic/Speaker and control interface, rail certification.



With an amplified output suitable to drive 5W into an overhead paging or panel speaker, a sensitive microphone input, selector/contact closure inputs and control output the device is equally suitable for paging, intercom, help point and monitoring applications.

A built-in switch provides two 10/100Mbps network interfaces allowing the daisy chaining of devices.

The supported codecs (PCM/uLaw/aLaw/MP3) and range of sample rates (8..48kHz) allow the optimization of the audio quality for the several applications, even in higher quality.

The Annunicom 155, the device can operate as a streaming receiver for background music with priority messaging, as a paging or inter-com device within a Paging/Intercom system or as a digital message repeater. With the Barix SIP firmware, the device can operate as part of an IP telephony solution, for example, as an intercom panel in parking barriers, toll gates, as a SOS help point, call box etc.

Being fully EN50155 and GL "Brücke" compliant, the device fulfills the stringent requirements to be used in trains, cars, ships and industrial as well as outdoor installations, it is designed for harsh environments (IP65).

Applications

- Generic VoIP Intercom and Paging Device with speaker amplifier
- Voice Evacuation Systems
- Microphone Encoder for IP Audio
- Surveillance
- Help Point/SOS call box device
- Live IP Audio Encoder for Streaming Applications
- SIP and IP Paging Zone device
- IP65 rating, tested to EN50155, suitable for applications in rolling stock

Features

- MP3, G711, PCM Encoding and Decoding
- Audio Level Supervision with SNMP Trap
- IP Streaming via HTTP, UDP, RTP, Multicast
- Microphone Input
- Line Level Output
- Amplified Output 5W (8 Ohm)
- Contact Closure Input (2)
- RS-485 Serial Port (1)
- Wide operating temperature range (-40..+70°C) shock and vibration resistant, IP65 rated

Technical Specifications

Electrical

- 24 to 48 VDC \pm 30%, <60 V, 14 Watt max.
- M12 "A" connector (male)

Ethernet

- 2x 10/100Mbps auto, MDI/MDI-X, Link & Activity LEDs per interface, Internal switch
- Protocols: TCP/IP, UDP, RTP, SIP, DHCP
- M12 "D" connector (female)

RS-485

- 300..230`400 Baud asynchronous, 7/8 bit
- +12V, 100mA, fused supply output to external devices
- M12 "A" connector (female)

Speaker out

- 5.0 Watt RMS max @ 8 Ohm
- Values @ 8 Ohm: Freq. response 10 Hz .. 15 kHz (-3dB),
- Dynamic range 82dB, SNR -82dB, THD <0.1%(-3dBFS)*
- Output level software controllable

Line out

- max. 11 dBm @ 600 Ohm, max. 12 dBu (FS), unloaded
- Output impedance 40..45 Ohm, 14 mWatt max
- Values @ 600 Ohm: Freq. response 20 Hz .. 20 kHz (-3dB)
- Dynamic range 80dB, SNR -80dB, THD <0.15% (-3dBFS)*
- Output level software controllable

Microphone in

- Electret mic, supervised bias power (2.4..4 VDC)
- Frequency response 50Hz ..20kHz (- 3dB)*
- Dynamic range 70dB, SNR -70dB, THD <0.05% (-3dBFS)*
- input sensitivity software controllable

Audio formats

- MP3, encoding/decoding up to 192/320kbps
- PCM 16bit @8, 16, 22.05, 24, 32, 44.1, 48 kHz
- G.711, uLaw, aLaw (sample rates same as PCM)

Discrete I/O

- 2 fully supervised inputs
- 1 LED driver output, current limited
- internal temperature sensor
- 2 status LEDs (red/green)

Panel interface

- Sub-D 15 connector, all audio and I/O signals

Mechanical

- Aluminum case, 460 g, with mounting wings
- Min. mounting space incl. plugs (W x D x H) 230 x 138 x 47 mm (9 x 5.43 x 1.85 inch)
- Dimensions (W x D x H) 130 x 108 x 38 mm (5.12 x 4.25 x 1.5 inch)

MTBF

- Calculated acc. to MIL217F at 40 °C Min. 80 000h at "ground mobile" environment
- Min. 225 000h at "ground fix" environment
- calculation 110 000h (according to IEC62380 at max.85°C)

* depends on used codec, best results @48kHz PCM

Environmental

Operating Environment

-40 to +70°C / -40 to 158°F
0 - 95% relative humidity, non-condensing

Storage Conditions

40 to +85°C / -40 to 185°F
0 - 95% relative humidity, non-condensing

Certifications

CE, RoHS, others in examination

Ordering Information

2016.9186 Annunicom 155
NoPSU Package
2010.9099 Annunicom 155
Accessory Kit contains

Emissions

according to
EN 55022,
GL "Brücke", EN
501555

Immunity

acc. to EN
55024, EN
50121, EN
6100-6-2,
EN 50155

Environmental

according to
EN 50155

Product Safety

according to EN
60590

24V power supply with M12 "A" connector
Sub-D 15 connector
for Panel interface M12 "A"

Barix AG

Limmatstrasse 21, 8005 Zürich, Switzerland
Phone: +41 434 33 22 11
www.barix.com



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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