RackBox Intercom

IP based paging system for worldwide announcements, intercoms and emergency paging

The RackBox is an IP based intercom station for any-to-all communication over the local or wide area network. Its setup consists of an unlimited number of 19” rack mountable RackBoxes, a message routing device (AudioSpread) and a web based management server. The source can be limited to act as receiver or sender. Multi source set ups are possible. The system is designed to be maintenance free, low power (15W) and long lasting. If additional features are requested, the device is ready to receive updates through the management server or an USB stick. The interface provides a graphical overview of the system on a map, as well as showing a status list to monitor station changes onsite.

Features
- Runs on standard IP networks or the internet
- Low bandwidth requirements
- Easy to install
- Simple One-Push button to make an announcement
- Management server for easy system monitoring and configuration
- Supports XLR microphone
- Updatable over the network and by USB Stick
- Relay output

Applications
- IP paging system with network wide reach for:
  - TV and Radio broadcast affiliates
  - Security and institutional
  - Military, Aerospace & Government
  - Corporate multi-site IP infrastructure

www.barix.com/rackbox
Technical Specifications

**Operation System**
- Embedded Linux

**Network Interfaces**
- 1 x Ethernet (RJ45) Interface
- IPv4, IPv6 capable
- 10/100 fdx/hdx, auto negotiation

**Audio Interface**
- 1W RMS Internal Speaker
- 1 x XLR Microphone Input with pre-amplification

**Audio Formats**
- uLaw 24kHz Audio Codec sent as an RTP stream

**USB**
- Double USB connector type A female

**CPU / Memory**
- Barix IPAM400 Processor Module
- Quad-Core ARM Cortex™-A7
- 256MByte DDR3 SDRAM
- 16MB SPI Flash
- 8GB SD-Card Flash

**Power Requirements**
- 125-230VAC 15W 50-60Hz

**Audio Interface**
- Phantom Power on Microphone
- Balanced in/out interface on screw terminal block, 0dBu level

**Measurement / Mechanics**
- 19” x 8.66” x 1.97” / 480mm x 220mm x 50mm

**Weight**
- 1520g

Environmental

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

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

Certifications
- FCC and CE

Warranty
- 1 year

Ordering Information

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
</tr>
</thead>
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<tr>
<td>2020.9303P RackBox Intercom EU Package</td>
<td>2017.9217 Audiopoint EU Package (incl. AudioSpread)</td>
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<tr>
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<td>2017.9220 Audiopoint No PSU Package (incl. AudioS.)</td>
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<tr>
<td>2020.9303P RackBox Management Server Software</td>
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</tbody>
</table>

This product can be customized with extra features. Contact us for a quote.

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

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Remote Management
Each device’s status is monitored constantly and can be functional tested, depending on the user role.

Cloud Configuration
The platform allows to add new devices and configure them. Alternative USB config available.

Speaker and Receiver
A RackBox functions as a receiver, speaker or both. Set allowances for clear communication paths.

Individual management of each device
Device status visible on local map
Remote maintenance functionality

Ideal for radio and TV broadcasters, as well as security, or any situation room setup where groups around the globe need to be streamlined. Information flows to each group simultaneously via a reliable RTP stream.

At an event, the built in speakers can announce the critical message. Either one, multiple or all stations are allowed to page, while the rest listens.

Individual configuration is possible by the administrator, adding devices and users with limited rights. For easy maintenance, the management server is monitoring the status of each device. It is deployed into the organizations secure network infrastructure.

Write us to get a free demonstration of the platform