

## X/LINK-AES67

### Stereo to multi-stereo IP Audio Codec

SDHC card reader for backup playlists, and loading/saving the codec configuration

Low consumption, fanless, multi-format encoding and multi-protocol streaming

Easy and fast status monitoring: status LEDs, LCD display and keypad, vu-meters, headphones



4 GPIO's for signalling of physical status

2 internal redundant PSUs for secure operation



4 GPIO's for signalling of physical status

RS232 port for serial data signalling

4 network ports for full separation of IP traffics:

- AES67, RAVENNA, Livewire (LAN)
- Redundant dual streaming (WAN)
- Remote management (LAN / WAN)

BARIX by digigram X/LINK-LE is a professional IP audio codec designed for the highest needs in terms of reliability and redundancy, delivering a stereo or two mono sources. Perfect for STL and SSL, but also DVB audio, web radio, commentary and intercom applications. It is dedicated to full-IP audio infrastructures based on AES67, Ravenna, or Livewire (standard mode). X/LINK-AES67 is based on Fluid IP technology which offers redundant dual streaming and multiple redundancy for fail save connections. It is based on a powerful, low consumption, high redundant, fanless hardware platform.

#### Applications

- SSL, STL
- Audio Codec for IP based installations (Dante, AES-67)
- Easy integration into existing SNMP based supervisors (SET, GET, Traps)
- Designed for audio service continuity and failsafe operation.

#### Features

- Designed for full IP environments
- Supports AES67, RAVENNA, and Livewire (standard mode) technology
- Scalable number of supported IP audio input and output channels (from 2 to 16 channels)
- Simultaneous delivery one or several audio programs to transmitter sites, WEB radio CDNs, DVB multiplexers, and other studios, in multiple audio formats
- Ongoing product support with flexible options

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# Technical Specifications

## Power Supply

- 2x internal redundant PSUs 100-250VAC, 15W

## Network

- 4 networks ports 1x 100 Mbps, 3x Gbps on RJ-45 ports
- 8 GPI /8 GPO on Sub-D25 connector (4/4)
- One RS232 port for serial data tunneling
- Possibility to separate the network traffics (WAN, LAN, management) via the 4 networks ports
- VLANs, QoS (VLAN Tagging, DSCP)
- IGMPv2 and v3

## Audio formats

- Each input and output can be AES67, or RAVENNA or Livewire (standard mode)
- Multi-format encoding and multi-protocol streaming
- Unicast, multi-unicast, multicast, multi-multicast addressing
- PCM linear 16/20/24 bits, ITU G.711/722, ISO MPEG-1/2 Layer II, Layer III, MPEG-4 AAC-LC, AAC-LD and AAC-LD, HE-AACv2, HE-AACv1, AAC-ELD, Opus
- Multi-protocol streaming: RTP/UDP with or without MPEG-TS encapsulation (SPTS, MPTS), Icecast / Shoutcast
- Dual port redundant streaming on WAN, with time diversity up to 3 seconds
- Selectable FECs for ACIP streams (from +15% to +100% IP bandwidth)
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- Pro-MPEG CoP #3 FEC for MPEG-TS streams
- Real-time metrics on network path quality for the primary stream as well as for the FEC/redundant stream
- Optional transcoding (ACIP, HTTP, MPEG-TS)
- Number of supported channels upgradable via software license

## Input/Output

- 4 network ports for full separation of IP traffics:
- AES67, RAVENNA, Livewire (LAN)
- Redundant dual streaming (WAN)
- Remote management (LAN / WAN)

## Audio Management

- Silence detection on the audio inputs and on the received IP audio streams
- Auxiliary data tunneling (serial Data and GPIs, physical or virtual, RDS-UCEP)
- Metadata insertion to HTTP streams (static, dynamic)
- Clock synchronization: internal, PTP, Livewire clock
- Optional: Audio synchronization of decoders based on NTP, or PTP
- Automatic switching between encoding priorities according to adjustable criteria
- Configuration and monitoring via intuitive WEB GUI n via SNMP
- Alarm via SNMP Traps
- Three decoding priorities per output program, with choice of the audio source on each priority: IP stream (RTP, UDP, HTTP), local files & playlists on SDHC card, audio inputs

## User Interface

- Web interface for control, status and configuration
- LEDs for status and VU meter, HW reset button

## Case & Weight

- Height: 1U
- Width: 19" / Length: ~10,63" (270mm)
- Weight: 6,85 lbs (~3.1kg)

## MTBF & Warranty

- MTBF: >150 years
- Warranty: One year

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## Environmental

### Operating Environment

- 32° to 122°F (0 to +50°C)
- 0 - 95% relative humidity, non-condensing

### Storage Conditions

- -23° to 158°F (-5 to +70°C)
- 0 - 95% relative humidity, non-condensing

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

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## Certifications

FCC, EMC, IEC, EN, RoHS

## Ordering Information

2019.7003 BARIX X/LINK-AES67

For technical inquiries (problem reports, request for documentation, etc.) please contact [support@barix.com](mailto:support@barix.com)

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