BARIX
by digigram

X/LINK-LE

1U rack unit reliable IP audio codec for STL, SSL, TS and web radio.

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

Low consumption, fanless, multi-format encoding

Easy and fast status monitorin status LEDs, vu-meters, headphon

2 analog I/O's and 1 stereo AES/EBU I/O

4 GPIO's for signalling of physical status

2 internal redundant PSUs for secure operation

Switchable hardware by-pass of audio inputs to outputs in case of power supply failure

4 GPIO's for signalling of physical status

RS232 port for serial data signalling

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

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 or web radio. It can be used in legacy analog or AES/EBU audio environments, as well as in full-IP audio infrastructures (AES67, Ravenna, Livewire). X/LINK-LE 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
- Streaming to web radio, CDNs, DVB audio
- Easy integration into existing SNMP based supervisors (SET, GET, Traps)
- Designed for audio service continuity and failsafe operation.

Features
- Silence detection
- Switching between decoding priorities
- Auxiliary data tunneling
- Metadata support for streams
- Alarm via SNMP traps
- Clock synchronization
- Hardware audio input to output bypass
- Audio synchronization of NTP and PTP

Technical Specifications

Power Supply
- 2x internal redundant PSU 100-250VAC, 15W

Network
- 3x full separated RJ45 Gbps
- 1x full separated RJ45 100 Mbps
- VLAN, QoS (Tagging, DSCP)
- IGMPv2 and v3

Input/Output
- 2x balanced analog I/O
- 1x stereo AES/EBU I/O with hardware sample rate converter
- 8x GPI /8GPO on Sub-D25 connector (4/4)
- 1x RS232 for serial data tunneling

Audio formats
- PCM linear 16/20/24 bits
- ITU G.711/722
- ISO MPEG-1/2 Layer II and Layer III
- MPEG-4 AAC-LC, AAC-LD and AAC-ELD
- HE-AACv2 and v1
- Opus
- Pro-MPEG CoP #3 FEC for MPEG-TS streams
- Selectable FECs for ACIP streams (from +5% to +100% IP bandwith)

Audio Management
- 2Each input and output can be analog or AES/EBU or RAVENNA or Livewire
- Dual port redundant streaming on WAN (up to 3 seconds time diversity)
- Multi-format encoding of audio sources
- Optional Multi-protocol streaming
- Optional AES transparent transport
- Real-time metrics on network path quality

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

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

MTBF
- >150 years

Warranty
- Warranty: one year

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

Certifications

FCC, EMC, IEC, EN, RoHS

Ordering Information

2019.7000 BARIX X/LINK-LE

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**