EXSTREAMER
1000

Professional multiformat network audio encoder/decoder

Encodes or decodes audio in high quality for audio over IP applications

AES/EBU and balanced stereo audio interfaces (inputs and outputs)

Supports streaming (http, UDP, RTP) with automatic failover and USB playback

10/100 Mbit Ethernet connection

Contact closure interfaces (4 in, 4 relays)

Control via browser or API (serial, TCP, UDP,cgi)

BARIX

Technical Specifications

Audio Formats:
Encoding MP3 30..192 kbps VBR, G.711
(16/32/48 kHz), PCM (16 bit, 16/32/48 kHz).
Decoding MP3 30..320 kbps FBR/VBR,
G.711(16/32/44.1/48 kHz),
PCM (16 bit, 16/32/44.1/48 kHz)

Audio Interfaces:
Digital AES/EBU in/out, analog balanced Stereo
Line input/output, level software adjustable

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

Discrete Interfaces:
4 digital inputs (dry contact inputs),
4 relays (NO) 24 V 0.5 A

Control Interfaces:
TCP/UDP/serial API, web server for control
and configuration

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

Misc:
Two status LED indicators, four I/O status LED
indicators, reset/factory default button,
USB 1.1 interface for memory sticks

Power input:
24 to 48 VDC ±20% (pos. or neg.), 8 Watt max.

Case:
Aluminum, 610 g, 8.5" x 1.5" x 4.92"
216 mm x 38 mm x 125 mm

Reliability,environmental conditions:
MTBF: Min. 50'000h acc. to MIL217F at 24 VDC
supply and 40°C ambient temperature
Operating temp.:0 to +50°C / 32 to 104°F,
storage temp.: 0 to +70°C / 32 to 158°F,
both 0 - 70% relative humidity, non-condensing

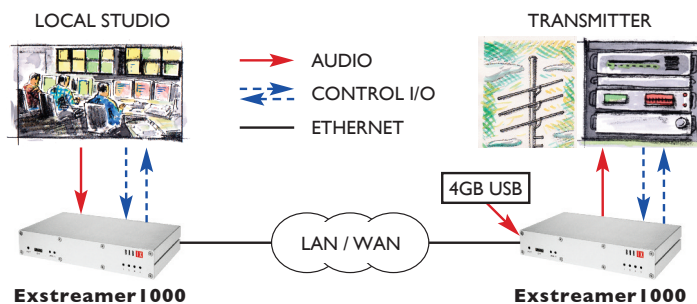**Certifications:**
FCC A, CE A, RoHS compliant (lead free)

Overview

The Barix Exstreamer 1000 is a versatile network device that can function either as an audio encoder or decoder for a variety of high quality audio applications. The Barix Exstreamer 1000 features AES/EBU in and out to provide a fully digital transmission path.

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

In decoding mode the Exstreamer 1000 can play MP3, G.711 and PCM audio files from PC or web server (http) and streams from sources like Shoutcast, Icecast (Internet radio) or RTP servers such as the Instreamer 100 or the Exstreamer 1000 in encoding mode. In case of a broken network stream the automatic failover function can switch to another network source or start the playback of audio files stored on external USB flash memory, if both streams are unavailable.

In encoding mode the Exstreamer 1000 can encode and transmit high quality audio from digital and analog sources.

Common Applications

- STL and Remote Broadcasting
- IP Audio Distribution over Satellite
- Confidence Checking and Remote Monitoring
- Cable Head End IP Audio Distribution
- Live Feed to Studio
- Realtime audio bridging over IP network
- Transmission of discrete control signals (4 in, 4 out)

All devices are programmable using the Barix ABCL environment that includes the source code for the encoding and decoding application which can be used as is, or adapted by the customer to specific needs.

The Barix Rack Mount accessory can be used to mount up to two Exstreamer 1000 devices in a standard 19" rack slot (one height unit).

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