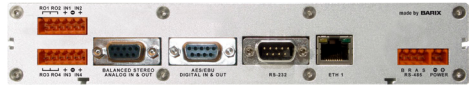


BARIX

THE VOICE OF SIMPLICITY

EXSTREAMER 1000

Professional multiformat network audio encoder/decoder



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.

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).

Applications Exstreamer 1000

- 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)

Software Exstreamer 1000 available

- 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 auto matic fail over and USB playback
- 10/100 Mbit Ethernet connection
- Contact closure interfaces (4 in, 4 relays)
- Control via browser or API (serial, TCP, UDP,cgi)

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 CBR/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

Analog Inputs

- Differential input, 18 kOhm input impedance
- Input level software controllable (-3 .. +19.5 dB)
- Clipping level 15dBu, 12.3 Vpp
- Frequency response (-3 dBFS) 20 .. 20000 HZ *
- Signal to Noise Ratio 91 dB, THD 0.01%
- Stereo crosstalk -92 dB

Analog Outputs

- Differential output, 40 .. 60 Ohm output impedance
- Output level software controllable
- Full scale output voltage: 15 dBu, 12.3 Vpp
- Frequency response (-3 dBFS) 20 .. 20000 HZ *
- Signal to Noise Ratio 92 dB, THD 0.01%
- Stereo crosstalk -90 dB

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 $\pm 20\%$ (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

MTBF

- Min. 350 000h acc. to MIL217F at 25°C ambient temperature

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

Environmental

Operating Environment

0 to +50°C / 32 to 104°F

Storage Conditions

0 to +70°C / 32 to 158°F,

both 0 - 70% relative humidity, non-condensing

Certifications/compliant with

FCC A, CE A, RoHS compliant (lead free)

Ordering Information

2007.9077 Exstreamer 1000 INTL

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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