

PROFESSIONAL IP AUDIO ENCODER

DB9000-TX is an integrated audio converter that converts audio signal into a high quality compressed audio stream. The signal can be compressed by HE-AAC, MPEG-1 Layer 3 encoder. DB9000-TX also supports uncompressed PCM stream in order to ensure audio transmission without quality loss. Compression is performed in real time, and the output signal is transmitted directly by TCP/ IP-based networks. DB9000-TX can work with both analog and digital audio signal.

With its RS-232 port, DB9000-TX could be transformed into Ethernet to serial Redirector, allowing to control any other existing equipment over Internet. DB9000-TX allows you to quickly and painlessly integrate existing audio systems to the Internet. Developed with the thought of easiness of use, DB9000-TX can be managed through a standard Web browser, PC, PDA or other device, making it the best choice for professional and consumer use.

APPLICATION

- Audio transmission over IP-based networks
- Point-to-Point Audio Transfer
- Ethernet to RS-232 Redirector
- Suitable for professional and consumer use



FEATURES

- High Quality HE-AAC (v.1 and v.2) and MPEG-1 Layer 3 Codecs
- 32 kHz, 44.1 and 48 kHz sample rates support
- Up to 320 kbps under MPEG-1 Layer 3
- Up to 56 kbps under HE-AAC
- Shoutcast / Icecast compatible TCP/IP stream
- Up to 10 simultaneously connected clients
- 4 LEDs and Phones output for quick diagnostics
- IP address pronunciation at startup (through the headphones)
- Full Control and easy setup via a standard web browser
- UPnP for easy discovery in Local Networks
- Ethernet to RS-232 Redirector

SPECIFICATIONS

Audio codec

Codec	HE-AAC (v.1 & 2), MPEG-1 Layer 3 or PCM
Sample rates	32, 44.1 and 48 and 96 kHz
Channels	1 or 2
Bitrate	Up to 56 kbps (HE-AAC) Up to 320 kbps (MPEG-1) Up to 3072 kbps (PCM)

MPEG-1 Layer 3 specific

Encoding mode	Mono & Stereo, Joint Stereo or Dual Channel
Emphasis	50µs, CCITT J.17 or none

PCM codec

Channels	1 or 2
Bitrate	Up to 3072 kbps

Analog audio input

Connector	2 x XLR, stereo
Type	Balanced
Impedance	600Ω or high impedance
Level	+6dBu / +12dBu, user selectable
Sample rate	96 kHz; Build-in sample rate converter used to produce lower sample rates
Dynamic range	>100 dB

Digital audio input

Connector	XLR
Type	AES/EBU (IEC 60958)
Resampling	Thru build-in sample rate converter

Phones audio output

Connector	6.3mm jack, stereo
Type	Headphones

RS-232

Type	TCP/IP to RS-232 Redirector
Connector	DB-9
Baud rates	9600-115200
Password protection	Yes

User interface

Indicators	4 LEDs on front panel, 2LEDs on rear panel
Web interface	Full control and status information

Streaming server

Type	Shoutcast / Icecast compatible TCP/IP stream
Clients	Limit Up to 10 simultaneous clients

Network

Connector	Ethernet - RJ-45
Device discovery	UPnP support

Operating conditions

Temperature	10°C - 45°C
Humidity	< 75%, non-condensing

Power requirements

Connector	IEC320, rear panel
Power supply	115/230V AC, 18VA

Size and weight

Dimension (WxHxD)	1U, 19" x 1.7" x 6.9", 485 x 44 x 178mm
Weight	8 lbs, 3.5kg



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