

RFE

MAKING
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IPA300-Link

AUDIO OVER IP LINK





IPA300-LINK - Audio Over IP Link



PRODUCT DESCRIPTION

The IPA300-Link is a fast and reliable solution to stream audio in full-duplex PCM and half-duplex MP3 from a broadcast studio to a transmitter device in another physical location. RTP over UDP protocol guarantees low latency and strong reliability of the audio stream. The application can stream to unicast or multicast destinations (up to eight).

Several administration tools like keep alive handshake, contact closure tunneling, SNMP traps, Serial gateway, multicast and DNS are supported. The IPA300-Link is a very powerful and flexible tool for a professional radio distribution.

MAIN FEATURES

- Full duplex/bidirectional Audio Connection
- Connection via LAN
- Web Server Configuration
- High Quality Audio
- Balanced Audio Input with Zin selection
- Balanced Audio Output
- P2P/P2MP Configuration
- RS232 Serial Port tunnelling
- GPIO remote tunnelling

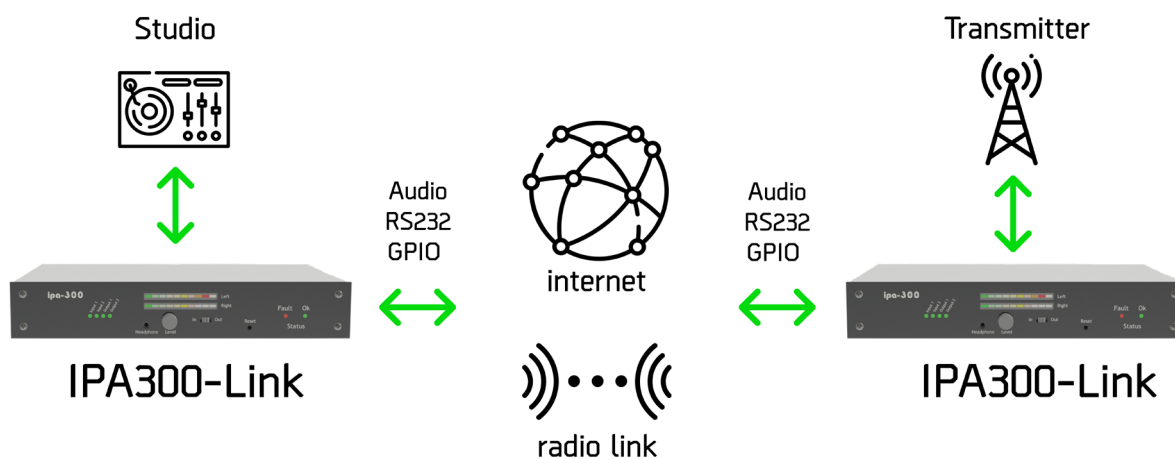
APPLICATIONS

- Bidirectional Links
- Point to Point Connection
- Point to Multipoint Connections (up to 8)
- Audio Over Ip Distribution (up to 8 destinations)

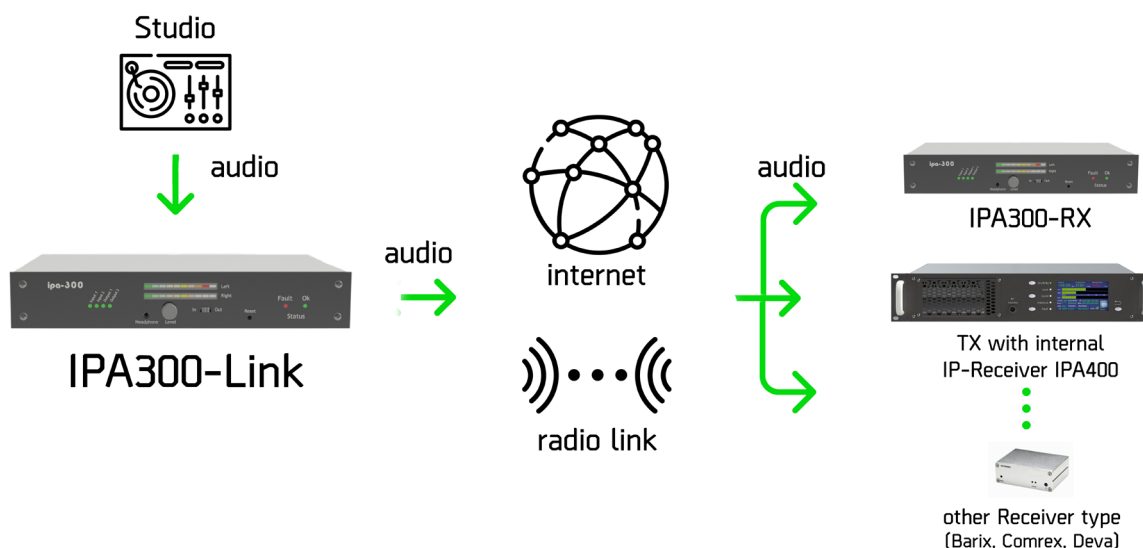


EXAMPLE OF USE

IPA300-Link IP Point To Point Connection



IPA300-Link IP Multicast Connection



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AUDIO INPUTS	Connector type	XLR Female
	Balanced Input	600/10 kOhm input Impedance
	Clipping Level	+18dBu
	Frequency Response [-3dB]	± 0.1dB [20Hz...20kHz]@44.1 kHz sample rate
	Signal to Noise Ratio [SNR]	≤ -70dB
	Stereo Crosstalk	≤ -50dB
	Total Harmonic Distortion [THD]@-3dBfs	≤ 0.05%
	Input Level Software	Adjustable from Web Page from -3dB to +19.5dB step: 1.5dB
AUDIO OUTPUTS	Connector type	XLR Male
	Balanced Output	15 kOhm
	Output Level	Adjustable from Web Page from 0 to 100%
	Full Scale Output Voltage	+12dBu, 8 Vpp
	Frequency Response [-3dB]	±0.1 dB [20 Hz...20 KHz]@ 48kHz sample rate
	Signal to Noise Ratio [SNR]	≤ -70dB
	Stereo Crosstalk	≤ -60dB
	Total Harmonic Distortion [THD]@-3dBfs	≤ 0.03%
RS-232 INTERFACE	Connector	DB9 Female
	Type & Speed	Asynchronous - 300~230.400 Baud
	Purpose	RS-232 Remote Tunneling
DIGITAL I/O	Number of inputs	2-Optoisolated
	Number of Outputs	2-Relay Contact
	Connector type	DB9 Female
ETHERNET	Interface	10/100Mbps auto
	Connector type	RJ45 with Link & Activity LEDs
	Protocols	TCP/IP, UDP, RTP, DHCP
MISCELLANEOUS	Headphone	Stereo Jack 3.5mm
	Audio-meter	Stereo V-meter 10 LEDs
	Level	Adjustable from volume knob
ELECTRICAL	Voltage	90~240Vac ± 20%
	Current	100 mA max.
	Connector type	IEC-C13/C14
MECHANICAL	Fuse	500mA delayed
	Material	Aluminum
	Weight	600gr
	Dimensions [LxDxH]	260x160x44 mm [1U]
	Rack Mount Kit	Available

