

Suprima LC

AES/EBU Audio to IP Converter

Highlights

- Converts up to (2) channels of AES/EBU audio to IP
- Can be controlled locally from its front panel, or remotely from its Web Page or from CCS Management Software
- Meets all mandatory RFC's comprising the initial standard for IP compatibility of the EBU group: SIP/SAP/SDP/RTP
- Automatic detection of the encoding mode
- Independent encoder/decoder operation
- Alarm management via SNMP/GPO/email
- AES/EBU transparent for Dolby E over IP
- Call facilities: Auto-redial, call scheduler and log systems

Applications

- Send AES/EBU audio channels over IP networks
- Allow high fidelity audio to be sent over any IP network
- Allow AES/EBU audio over Wireless networks
- AES/EBU audio conversion for transport over any LAN or WAN



Convert AES/EBU Audio to IP

Suprima LC is a affordable, multi-algorithm IP stereo audio codec offering a subset of the features of the more powerful Suprima product line.

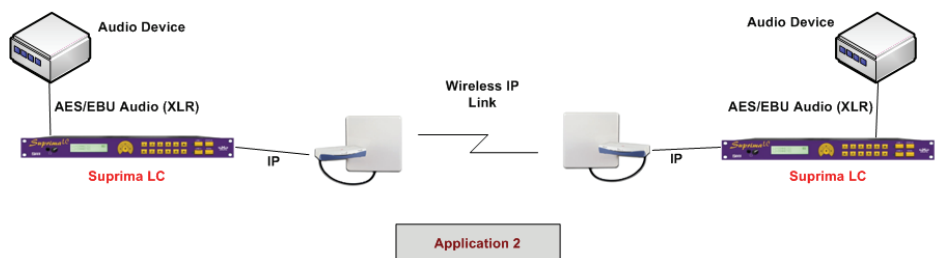
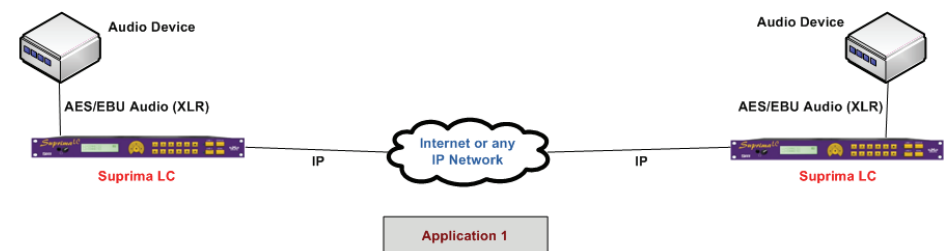
Suprima LC supports many popular coding algorithms including G722, MPEG1/2 Layer II, MPEG1/2 Layer III and uncompressed linear audio (PCM). Other compression modes can be offered as an option.

Each Suprima LC fully supports IP (TCP and UDP), terminated with a 10BaseT/100Base-TX Ethernet port (RJ45 connector). This enables remote monitoring/configuring and data/audio transportation over data communication links (LAN, Wan, Internet...).

Streaming advance features:

- Jitter correction buffer. This adjustable buffer avoids audio drop-outs compensating for up to 10 seconds of jitter in the IP connection.
- The unit automatically adjusts in synchronization with the transmitter site rate, to give a constant delay in IP communications.
- The frame size is user configurable, to give full flexibility when adjusting the delay and bandwidth use.

The codec provides a test tool which allows the user to check the bandwidth, delay and jitter in the IP connection. This information can be used to adjust the streaming parameters and so, to obtain the best-quality in the real-time audio reception.



Suprema LC

AES/EBU Audio to IP Converter specifications

ANALOG AUDIO											
Inputs/Outputs	2 independent channels electronically balanced										
Connectors	XLR										
Converters	A/D & D/A 24 Bits										
Clipping level	+22 dBu										
Compression Algorithms	G.722, MPEG1/2 L2, MPEG1/2 L3, and PCM.										
DIGITAL AUDIO											
Interface	AES/EBU with optional clock input										
Connectors	DB9										
IP PROTOCOLS											
Protocols supported	<table border="0"> <tr> <td>IPv4</td> <td>FTP</td> </tr> <tr> <td>TCP/UDP</td> <td>NetBIOS</td> </tr> <tr> <td>HTTP(Embedded web server)</td> <td>SMTP</td> </tr> <tr> <td>IP(UNICAST/MULTICAST)</td> <td>DHCP</td> </tr> <tr> <td>Real Time Audio Streaming</td> <td>SNMP</td> </tr> </table>	IPv4	FTP	TCP/UDP	NetBIOS	HTTP(Embedded web server)	SMTP	IP(UNICAST/MULTICAST)	DHCP	Real Time Audio Streaming	SNMP
IPv4	FTP										
TCP/UDP	NetBIOS										
HTTP(Embedded web server)	SMTP										
IP(UNICAST/MULTICAST)	DHCP										
Real Time Audio Streaming	SNMP										
COMMUNICATIONS INTERFACE											
10/100 Base-T LAN interface	Bi-directional audio transmission over IP (UNICAST/MULTICAST) Embedded Web Server for browser based remote control. Connector: RJ45										
REMOTE CONTROL											
Ethernet	RJ45 LAN connector										
GPIO	8 opto-isolated contact closures										
FRONT PANEL											
Display	LCD: 20 x 2 characters										
Control keyboard	Standard for menu control										
Direct access keys	For dialing										
Headphone Output	Monitor receive audio										
AUXILIARY DATA PORTS											
Auxiliary Data Channel	Available in MPEG modes										
Bit Rates	300, 1200, 2400, 4800 or 9600 bps										
Connector	RJ45										

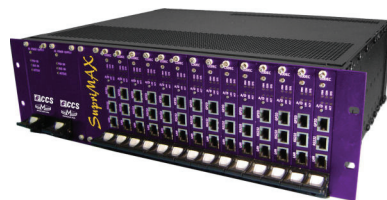
Suprema LC

AES/EBU Audio to IP Converter specifications

POWER SUPPLY AND DIMENSIONS	
Power Supply	94-250 VAC 50/60 Hz 40W
Dimensions	Height:1U (1.7") Width:19" Depth:9.6" Weight:Approx. 6.6 lbs



Suprema LC Rear Panel



High density models also available.