Rincon

Digital Audio Transporter

- 4 stereo channels per unit provides high payload capacity, supports multi-station clusters
- 4x0 or 2x2 bidirectional to provide backhaul audio for downlink or RPU or confidence monitor
- Very low delay for critical real-time broadcasts
- AES/EBU and Analog XLR connectors and integrated Analog and AES / Audio Switcher for operator's ease of use
- Choice of Linear Uncompressed, MPEG2/3, AAC LC/LD, G722/G711 and apt-X™ maximizes performance over any network topology
- Simultaneous E1/T1, IP and Radio transport allows broadcasters to select the most cost effective network available
- Provides main/backup audio paths over separate networks with automatic switchover
- Integrated Ethernet Switch for QOS to make sure your audio gets through the traffic
- Integrated Web Server/SNMP Agent for ease of initial setup
- Manage Rincon from your iPhone or BlackBerry
- Auto negotiation of parameters between units makes it easily deployed and field configurable
- Unicast/Multicast RS-232 channels for RDS or device control
- Built-in Silence Detectors on all channels will initiate a backup
- 8 Alarm and 3 Status conditions are transported across the link
- 100 parameters may be mapped to alarms or status reporting
- Stores and plays back 100 hours of backup audio to cover for any network outage

Moseley

Rincon

SPECIFICATIONS

SYSTEM TRANSPORT

INTEROPERABILITY	ACIP Compliant and VLC Compatible
FEC	Pro-MPEG CoP 3 r2
STREAMS	Up to 8 Audio Streams
VLAN	IEEE 802.1Q Support
PACKET SIZE	User selectable per stream
JITTER BUFFER	Adaptive or adjustable per stream,
QoS	Per stream, ToS, DiffServ
TOPOLOGY	Point-to-Point unidirectional; Point-to-Point bidirectional; Point-to-Multipoint multicast
SYNCHRONUS BACKUP	Programmable failover per stream to Alternate audio source and transport
LATENCY	Linear less than 5msec : IP TRANSPORT 30 – 500 ms

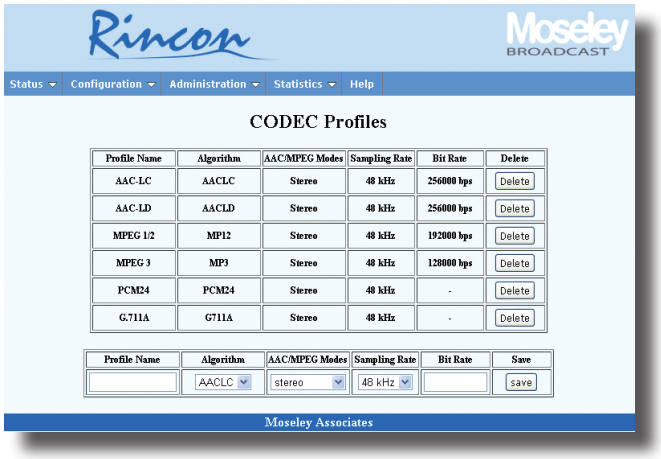
Moseley Rincon is the broadcast industry's first Software Defined Audio Transport Product optimized to deliver multichannel digital audio over IP, TDM or Radio links and networks simultaneously. Rincon's ability to leverage these network choices and low purchase price gives excellent return on investment.

SYSTEM AUDIO

FREQUENCY RESPONSE	< 5 Hz to 22.5 KHz (48 kbps); < 5 Hz to 15 kHz (32 kbps)
DISTORTION	< 0.01% at 1 kHz
SAMPLE RATE	Selectable 32, 44.1, 48 kHz; built-in rate converter
DYNAMIC RANGE	90 dB static encoder/decoder: > 120 dB AES EBU
CROSS TALK	-80 dB
LEVEL STABILITY	< 0.2 dB
CHANNELS SUPPORTED:	
DIGITAL AUDIO	4 Stereo Channels
ANALOG AUDIO	4 Stereo Channels

SOURCE ENCODER AND DECODER CHOICES

Uncompressed, MPEG Layer 2/3; AAC – LD, LC, G722, G711, APTX,



ENCODER & DECODER

AUDIO CONNECTORS	Analog Input XLR Male, Output XLR Female AES/EBU RJ-45(Ext XLR Cable)
AUDIO SAMPLE RATES	32/44.1/48 kHz selectable, built-in rate converters
ANALOG AUDIO INPUTS	Electronically balanced, 600Ω/10kΩ, selectable, CMRR>60 dB
ANALOG AUDIO OUTPUTS	Electronically balanced, low-Z
ANALOG AUDIO LEVEL	-10 dBu to +18 dBu
DIGITAL AUDIO	AES/EBU
AES/EBU IN/OUTPUTS	Transformer balanced, 110Ω
DATA INPUT RATES	Async, 300-9600 bps selectable
BITS	16 or 24 bits

T1/E1 INTERFACES

E1/T1 INTERFACE	2 X E1 / T1
CSU	Built-in
CONNECTOR	RJ-45, Available BNC adaptor
IMPEDANCE	100Ω balanced, Available BNC adaptor
T1 LINE CODES	B8ZS, AMI
T1 FRAMING	ESF, D4
E1 LINE CODES	HDB3
E1 FRAMING	256N, 256S, with/without CRC-4
E1 COMPLIANCE	CCITT Rec. G.703, G.704, G.732
LINE LENGTH EQ.	Short-Haul and Long-Haul Supported
REDUNDANCY	Optional Redundant Interface

SYSTEM MANAGEMENT

- Integrated Web Server
- SNMP
- Connection Mapper for Switching and Distribution
- Session Initiation and auto negotiation (SIP)

ETHERNET PORTS

ETHERNET INTERFACE	2 X 100Base-T Interface
STANDARD	Ethernet IEEE 802.3 bridge
CONNECTOR	RJ-45 (2 ports)

PHYSICAL

POWER	Universal AC 90-260V, 47-63 Hz Optional Redundant Power Supply Optional 24Vdc, 48Vdc supply
DIMENSIONS	1.75" x 17.5" x 8.5" (1RU), 44.5mm x 445mm x 216mm
MOUNT	Rack mount with included ears
TEMPERATURE	1°C to 5°C Operational
HUMIDITY	90% Noncondensing
REGULATORY	FCC Part 68, FCC Part 15, ETSI

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