

SIMPLE AND SAFE AUDIO LINKS

MultiSCOOP

All the security and redundancy you could need to perform numerous audio connections!

STEREO

16 Audio channels



AoIP

Ethernet / 4G / Wi-Fi



ISDN



RAVENNA
AES67 built-in



Modular multi-channel codec with IP, ISDN and AES67



SIMPLICITY



- + Full Duplex
- + Embedded HTML server for easy access to all parameters
- + SIP or direct RTP
- + Factory SIP accounts included
- + Simultaneous registration on 2 SIP servers
- + N/ACIP compliant (UER Tech 3326)
- + Wi-Fi and 4G through external USB dongle
- + Auto jitter buffer
- + Auto bit rate OPUS

SAFETY



- + Double Streaming / Bonding
- + FEC for secure connection
- + Remote Access : remote access and control via Internet
- + Adjustable OPUS bitrate (12 -256kbts/s), during communication with no audio artefact, to fit bandwidth
- + Redundant power supply
- + GPIO

Up to 16 audio channels in 3U

- + Flexible audio interfaces (up to 16 in 3U) : analog, AES3, AES67
- + Best in class audio quality (up to 20 kHz)
- + Wi-Fi, 4G, via USB dongle

Hot-swap modules (sold separately)

- + Up to 8 AoIP & ISDN modules (with double mono codec)
- + Up to 2 AES67 modules - Ravenna/Dante
- + Up to 2 modules for global control

Full Redundancy

- + Power, control and AES67 modules
- + Separated audio and control networks for more safety

Easy supervision

- + Full control from control modules with separated networks
- + Embedded HTML server (LAN) for each modules
- + SNMP



Rear panel

NETWORK INTERFACES (by codec module)

Ethernet/IP transmission interface

- + Ethernet interfaces, 10BaseT / 100BaseT (shared with remote control)
- + Audio transmission [AoIP] in unicast mode: SIP or "Direct RTP"
- + Net bit rate 12 to 256 kbit/s (depending on coding algorithm, linear coding excluded)
- + 100% FEC: packet replication (standard or interleaving)
- + Wi-Fi, 4G through USB dongle

ISDN transmission interface

- + One SO [BRI] interface. Protocols: ETSI, NI-1, NTT
- + Single codec 64 or 128 kbit/s, or double 64 kbit/s codec
- + 5AS auto configuration on incoming calls

CONTROL AND SUPERVISION

- + Embedded HTML server (LAN)
- + Remote access and control over Internet - Optional
- + Transmission of digital I/O [GPIO] : 4 inputs, 4 outputs (per module)
- + SNMP
- + Control boards for monitoring all modules and power supply
- + AARC (AETA proprietary protocol)

MODULES

- + MultiScoop 3U rack
- + AC/DC power supply module
- + IP codec module
- + IP/RNIS codec module
- + Control module
- + AES67 module

OPTIONS

- + Remote access
- + Scoop Manager

ACCESSORIES

- + Audio analog/AES in/out cables
- + Blind plates

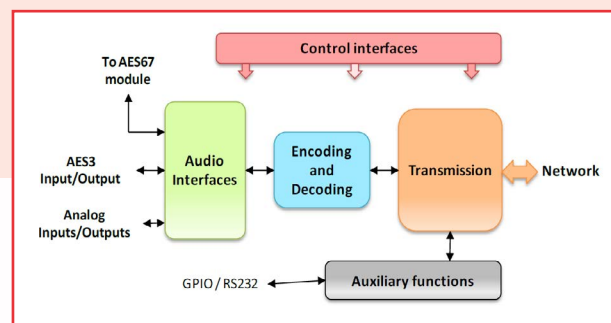
AUDIO INTERFACES (by module)

- + 2 analog inputs
- + 2 analog outputs
- + 1 AES3 input
- + 1 AES3 output
- + AES67 interface (Ravenna or Dante)

GENERAL

- + Power: Redundant AC 85-263 V
- + Size 3U - 19"
- + Operating temperature range 0° - 45°C

Block diagram



CODING ALGORITHMS

Networks / Algorithms	AoIP	ISDN
G711	Mono	Mono
GSM, AMR	-	-
AMR-WB / G722.2	-	-
G722 SRT, H221, H242	Mono	Mono
MPEG Audio Layer II	Mono, Dual mono, Stereo	Mono, Dual mono, Stereo
MPEG AAC-LC, HE-AAC	Mono, Dual mono, Stereo	Mono, Dual mono, Stereo
MP3	Mono, Stereo	-
OPUS (ajustable)	Mono, Stereo	-
Linear L16, L20, L24	Mono, Stereo	-