

SIMPLE AND SAFE AUDIO LINKS

MultiSCOOP

STEREO

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

Audio channels X16



AoIP Ethernet, 4G, 5G, Wifi

ISDN



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
- + N/ACIP compliant (UER Tech 3326)
- + Wifi and 4G through external USB dongle

SAFETY



- + Double Streaming
- + FEC for secure connection
- + Remote Access : remote access and control via Internet
- + Adjustable Opus bitrate (12 -256kbits/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)
- + Wifi, 4G, 5G via USB dongle
- + Hot-swap modules (sold separately) :
 - + Up to 8 AoIP & ISDN modules (with double mono codec)
 - + Up to 2 AES 67 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 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)
- + Wifi, 4G, 5G though USB dongle

ISDN transmission interface

- + One S0 (BRI) interface. Protocols: ETSI, NI-1, NTT
- + Single codec 64 or 128 kbit/s, or double 64 kbit/s codec
- + SAS 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 input, 4 output (per module)
- + SNMP
- + Control boards for monitoring all modules and power supply
- + AARC (AETA exclusive protocol)

OPTIONS

- + Remote access
- + Scoopmanager

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
MPEG AAC-LC, HE-AAC	Mono, Dual mono, Stereo	Mono, Dual mono
MP3	Mono, Dual mono, Stereo	Mono, Dual mono
OPUS (ajustable)	Mono, Stereo	-
Linear L16, L20, L24	Mono, Dual mono	-

AUDIO INTERFACES (BY MODULE)

- + 2 analog inputs
- + 2 analog outputs
- + 1 AES3 input
- + 1 AES3 output
- + AES67 interface

GENERAL

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

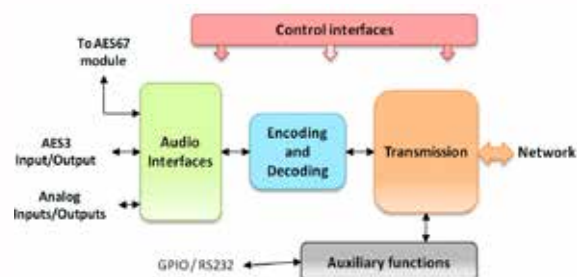
MODULES

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

ACCESSORIES

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

BLOCK DIAGRAM



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