HyperCloud.SIP Voice to Cloud Streamer

Features and Benefits

Compact box with passive Ethernet mirroring tap and 10/100 Mbit/s Ethernet port

Non intrusive and undetectable passive LAN monitoring

SIP trunk and SIP extension recording with optional DTMF detection, DTMF controlled pause/resume and flat-toning

Optional support for real-time G.722 and G.729 decoding

Web interface for system configuration, firmware uploading and channel capacity license upgrading

Fully stand-alone embedded (Linux) operation with internal RAM and (expandable) SSD storage for audio file buffering

Supports 64kbit/s A-law, 16kbit/s MP3, 13kbit/s GSM and 8kbit/s MP3 high quality audio encoding for reduced IP bandwidth cloud streaming

Optional highly secure encrypted audio files

FTP and Secure FTP for streaming audio files and meta-data to the cloud.

CE, FCC and RoHS2 compliance

The OptiLogix HyperCloud.SIP OEM Voice to Cloud Streamer provides powerful features for building advanced cloud based Call Recorders.

Each unit combines a compact form factor with low power consumption resulting in unmatched reliability.

Fully stand-alone embedded ARM based Linux system with dedicated network co-processor for packet filtering, RTP audio stream decoding (including G.722 and G.729) and uploading to the cloud.

Integrated non intrusive passive Ethernet mirroring tap ensures full transparancy in case of power down of the unit and removes the need for managed switches to do port mirroring in order to capture SIP and RTP traffic.

Audio file buffering and low bandwidth requirements when streaming / uploading to the cloud using the integrated high quality low bitrate audio encoders (including MP3).

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Technical Specifications

Mechanical characteristics:	Compact box with external power supply adaptor
Operating temperature:	0^oC to $+50^oC$
Humidity:	5% to 80% non-condensing
Maximum power requirements:	+12Vdc (1000 mA)
Embedded operating system:	Linux

Interface Specifications

LAN interface:	10/100 Mbit/s active port
Ethernet mirroring tap:	10/100 Mbit/s passive, non intrusive and fully transparent
USB interface:	Two USB 2.0 Host interfaces

SIP and RTP Specifications

Protocol:	SIP (trunk and extension)
Audio Codecs:	G.711 and optional G.722 / G.729 real-time decoders
DTMF detection:	RTP event (101) and in-band DTMF tone decoding

Audio Processing

Frequency response:	300-3400Hz (all compression modes)
Speech encoding/compression:	64kbit/s A-law, 16kbit/s MP3, 13kbit/s GSM and 8kbit/s MP3

Safety and EMI Certifications

Safety, emissions, immunity:	EN 60950, EN 55022, EN 55024
Compliance:	CE, FCC and RoHS2
Estimated MTBF:	500.000 hours
Warranty:	3 years

The OptiLogix policy is one of continuous development and consequently the equipment may vary in detail from the description and specification in this publication

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