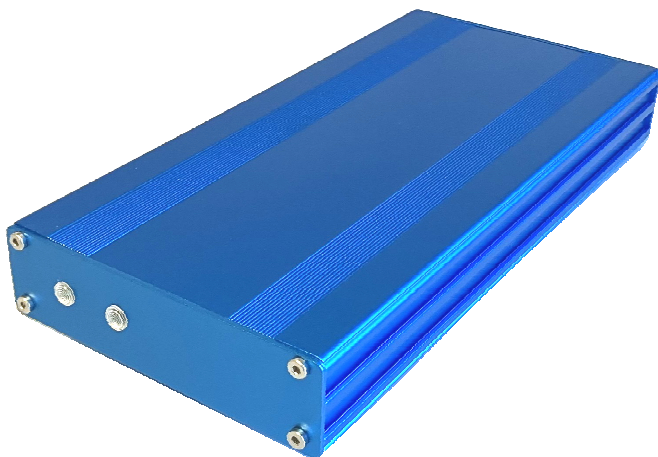


16-Channel Analog HyperPacket (IP-AN-16)



The OptiLogix Analog HyperPacket OEM Voice Packetizer provides powerful features for building advanced Voice Recorders.

The device combines a compact form factor with very low power consumption resulting in unmatched reliability.

Embedded DSPs for analog DTMF, FSK and audio detection, advanced Automatic Gain Control (AGC), voice processing and IP packet streaming.

Generic IP stream format (the OptiLogix HyperStream format) for using HyperPacket devices with your own Windows or Linux based recording software.

Due to the fact that the devices use IP networking for the API and audio streaming, centralized voice recording systems can receive the audio and metadata from multiple HyperPacket devices that are installed at remote locations.

Features and Benefits

Compact aluminium box with analog interfaces and 10/100 Mbit/s Ethernet port

Non intrusive and virtually undetectable high impedance passive monitoring

Dialled number and Caller ID signalling support

Suitable for analog handset / trunk lines and analog Radio

Support for DTMF, FSK Caller ID, AGC and Vox audio detection

Remote TCP/IP accessibility for system configuration and firmware updating

Fully stand-alone embedded operation

Supports the 64kbit/s A-law HyperStream format for smooth integration with Windows and Linux servers

Optional Dual-Stream license available for streaming to two recording servers.

Optional Dual PSU input for power supply redundancy

CE, UKCA, FCC and RoHS 3 compliance

Ordering Information

IP-AN-16 16-Channel Analog HyperPacket

PSU-IP * 12VDC / 1.5A PSU (100-240 VAC input)

* the PSU-IP is included with every IP-AN-16 ordered.

Technical Specifications

Mechanical characteristics:	Compact aluminium box with external power supply adaptor
Operating temperature:	0 °C to +60°C
Humidity:	5% to 80% non-condensing
Maximum power requirements:	+12Vdc (500 mA)
Dimensions:	230mm x 109mm x 35mm
Operating systems:	Operating system independent
API:	TCP/IP based API and UDP based audio streaming

Interface Specifications

Analog handset / trunk interface:	2 wire voltage start or line level (Radio) audio triggering (Vox)
DC/AC impedance:	Infinite / 3000 Ω (600 Ω within audio bandwidth)
Maximum tap length:	5000 m
Maximum input voltage:	100Vdc / 100Vac (< 100Hz) / 30Vac (> 100Hz)
Signalling:	Ring detection, voltage detection, DTMF detection for dialled numbers, FSK Caller ID detection, voice activity detection

Audio Processing

Voice and Silence detection:	Programmable via TCP/IP
Frequency response:	300 - 3400Hz
Total Harmonic Distortion (THD)	-36 dB (1.6%)
Signal to Noise Ratio (SNR)	-48 dB
Signal crosstalk	-78 dB
Speech encoding:	64kbit/s A-law (G.711)

Safety and EMI Certifications

Safety, emissions, immunity, EMC:	EN-62368-1, EN-61558-1/-2-16, EN-55032, EN-55035, EN-61000-3-2 (NEN- for CE, BS for UKCA)
Compliance:	CE, UKCA, FCC and RoHS 3
Estimated MTBF:	600.000 hours
Warranty:	2 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