



ARCHEAN TECHNOLOGIES

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ATVOIP422

Voice over IP module

VoIP

MADE IN 

1 year warranty

Voice over Internet Protocol (VoIP) technology adds further flexibility to your Public Address and/or Voice Evacuation system. Our latest version of intelligent module ATVOIP422 can be installed with any existing installation or any brand, or for a new building. The ability to remotely control a Public Address system provides a solution for many applications.

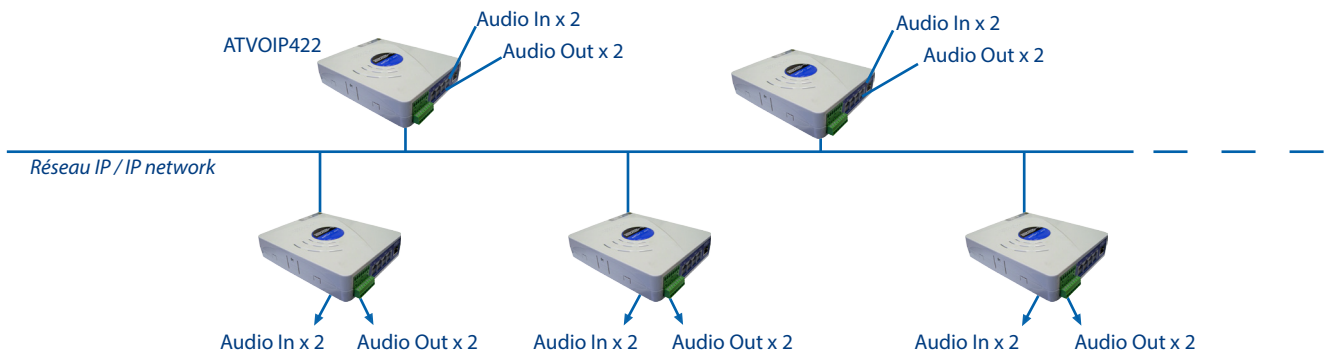
The modules use high quality (up to 20kHz audio bandwidth) and very low latency ($\leq 10\text{ms}$) audio encoding. The quality compression ratio is adjustable, enabling optimum settings for each network. No specific switch is needed.



Its versatility grants you a wide range of applications :

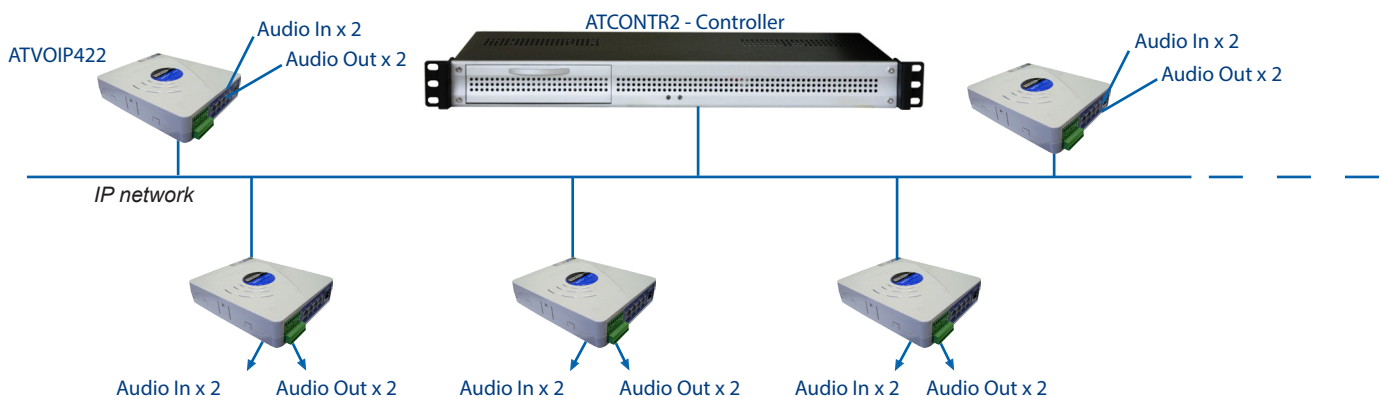
STATIC MODE - STAND ALONE MODULES :

One or more ATVOIP modules used as transmitter and one or more modules used as receivers. The channels are setted throught a web page.



DYNAMIC MODE - AUDIO DISTRIBUTED MATRIX :

One or more ATVOIP modules used as transmitter and one or more modules used as distributed matrix on the network. So any sources played from any transmitter could be listened by any receiver.



The ATCONTR2 is mandatory to manage this system. It includes its specific friendly software which allows : recording, scheduling, reports, zoning, etc.

Photos et informations non contractuelles - nous nous réservons le droit de modifier les données techniques sans avis préalable

ATVOIP422

Voice Over IP module

- Audio inputs / outputs : 2 inputs 2 outputs 0 dB balanced. Every inputs and outputs have 3 levels adjustment (input / output level & treble / bass on input), inputs can be boosted of 40% max input / outputs level : 6 dBu.
- Audio over IP : The system use high quality (up to 20 kHz of audio bandwidth) and low latency (max 10 ms) audio encoding fitting the needs of PA systems.
- IP network quality supervision : During the broadcast, the network is supervised, in both quality and latency. If your network is suffering low bandwidth or high packet loss a defect will be reported.
- Noise sensing : Any audio input can be used for monitoring ambient noise using an ATMICP sensor. The output level is adjusted according to the last sensed noise level.
- Latency : Very low (≤ 10 ms)
- GPIO (dry contacts) : The ATVOIP422 is equipped with 4 inputs and 4 outputs dry contacts, for driving relays, local message behavior, or defect report. For example, on closure of a dry contact (or if the network is lost), the ATVOIP422 could play a safety or warning message.
- Connection : RS232/485 port (for simple connection to the VIGIL EVAS routers for example.)
- Bridge : Can be used as a bridge for RS485 and RS232 link and dry contacts over IP
- Working temperature : $-30^{\circ}\text{C} - + 70^{\circ}\text{C}$
- Dimensions : 175 x 140 x 38 mm
- Humidity : $<95\%$ without condensation
- Operating temp. : $-30^{\circ}\text{C} +60^{\circ}\text{C}$
- Power supply : 18 - 36 VDC
- 16 bit / 48 kHz digitalization (24 kHz audio bandwidth)
- 30 Hz, 1 kHz, 20 kHz, noise generators : pink or white noise

Bandwidth calculation regarding the settings of the ATVOIP422 module :

Encodage	Bande passante audio	Utilisation du réseau
44 KHz, 16 Bits	20 Hz à 20 kHz	90 Ko / sec
22 KHz, 16 Bits	20 Hz à 10 kHz	47 Ko / sec
11 KHz, 16 Bits	20 Hz à 5 kHz	25 Ko / sec

Options

- ATVOIP422A2 : Same as the ATVOIP422 plus 2 Class D amplifiers 30W each, low impedance.
- ATVOIP422A2MIL2 : Same as ATVOIP422A2 plus monitoring of the two outputs channels.
- ATVOIP422MIL2 : Same as ATVOIP422 plus monitoring of the two outputs.
- ATVOIP422PPS : Same as ATVOIP422 with phantom power supply for two audio outputs