Audio Over IP Network

"IP COMMUNICATION AND SECURITY COMPANY"

TEMA
TELECOMUNICAZIONI

Encoder AD615/S

"SIpComStage"

Technological and Innovative Solutions for IP Paging

Analog/Digital Encoder for Multicast Audio Streaming on LAN

AD615/S digital IP PoE Encoder converts an analog audio signal from any external source into digital audio streaming in Multicast channels for audio signal distribution over LAN. **AD615/S is ideal to generate background music on the LAN in any environment (offices, establishments, public places and outdoors) with the possibility to make announcements.**

FM radio tuner, CD-DVD player, MP3 player, Smartphone and Tablet, Sound Blaster Sound Card output, etc. can be connected to the device to convert the analog audio into digital audio streaming. AD615/S also has an input for connecting an external microphone with which it is possible to launch an announcement in a Multicast general call on all TEMA amplifiers and IP speakers connected in the network.
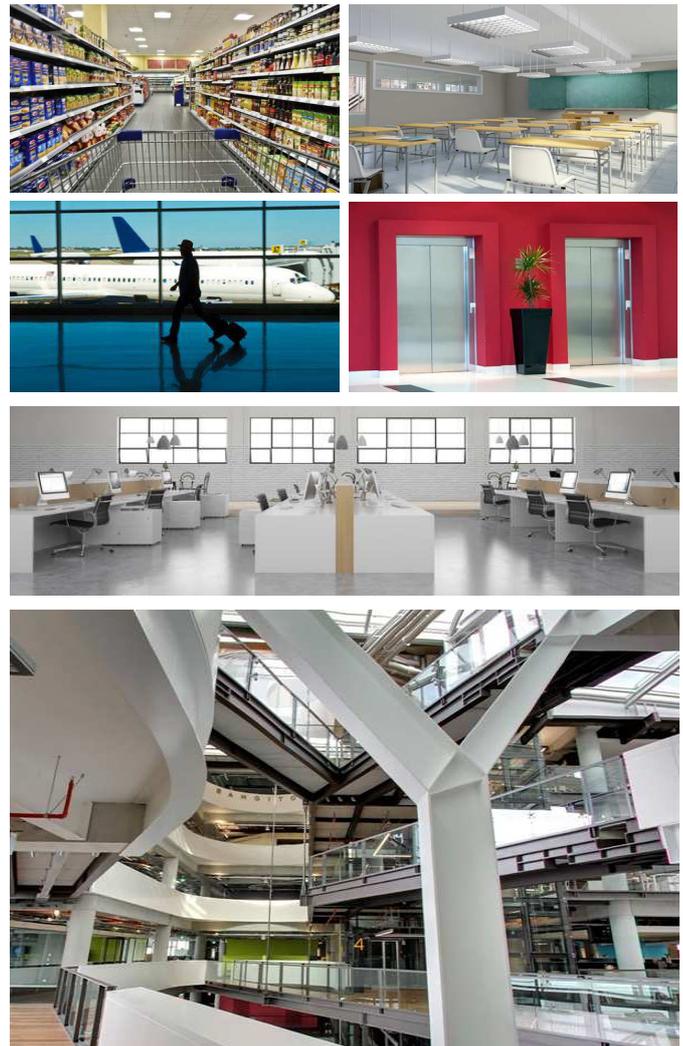
Audio Streaming Codec
AD615/S offers the possibility to choose the most appropriate codec according to the sound quality and the LAN bandwidth requirements. The following codecs are available: G711, G722, Linear at 16KHz/24KHz/32KHz/44KHz for the highest audio quality.

Programming
The system programming is done remotely thanks to the integrated web server with security password.

Applications, Target
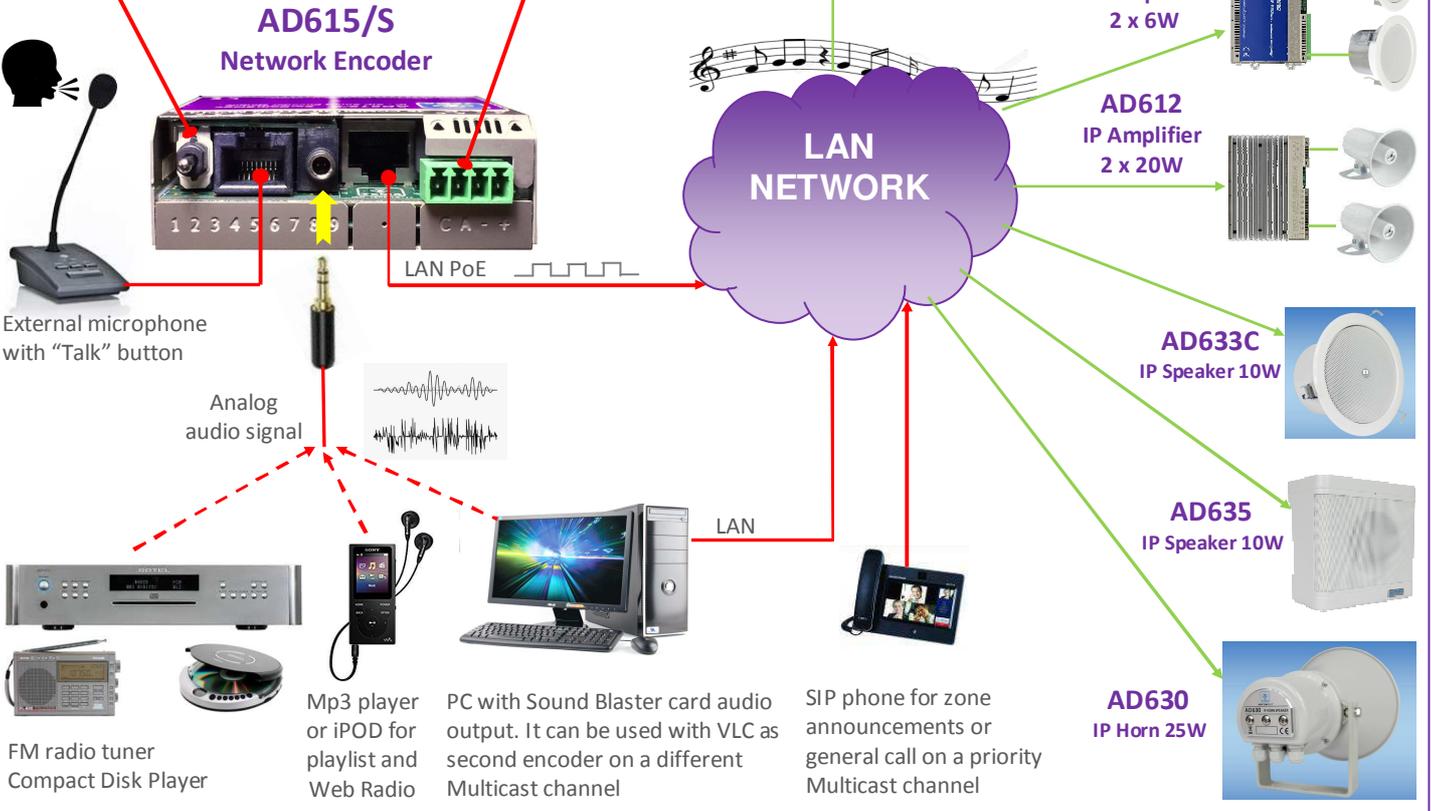- Companies, Offices, Establishments, Industry
- Fitness Centers, Restaurants, Hotels, Lifts
- Warehouses, Garage, Supermarket, Parking
- Public places and public outdoor areas
- Hospitals, Schools, Train Stations, Ports, Airports

Typical Application

3 positions lever for enabling audio sources and microphone

12Vdc/ac Power Supply (not necessary if the connected Switch is PoE)

AD610
Audio Decoder
IP Interface
2 x 2W

Audio

Existing PA Amplifier

AD615/S
Network Encoder

External microphone with "Talk" button

Analog audio signal

LAN PoE

LAN NETWORK

AD611
IP Amplifier
2 x 6W

AD612
IP Amplifier
2 x 20W

AD633C
IP Speaker 10W

LAN

AD635
IP Speaker 10W

FM radio tuner Compact Disk Player

Mp3 player or iPOD for playlist and Web Radio

PC with Sound Blaster card audio output. It can be used with VLC as second encoder on a different Multicast channel

SIP phone for zone announcements or general call on a priority Multicast channel

AD630
IP Horn 25W

Multiple Application

It is possible to insert in the network more AD615/S devices each of which transmits an audio stream on a channel identified by a specific Multicast address, in this way the playback terminals equipped with 16 Multicast channels in reception can be tuned into different music content in accordance with the environments. The announcements launched by the microphone can reach all the terminals at the same time or, by choice, only part of them. There are no limits on the number of LAN devices that can be inserted.

Technical Features

LAN, protocols:	TCP/IP Network 10/100BaseTx, SIP 2.0
Power Supply:	PoE, Injector PoE or external power supply
PoE:	802.3af class 0 12,95W
External Power Supply (Opt.):	230Vac/12Vdc-1A
Security:	Access via Password, Activity Log
Tecnology:	IMX25 400MHz microprocessor
Memory:	256MB Ram, Micro-SD Flash 2GB
Multicast RTP Audio Streaming:	G.711 a-Law, µ-Law, G722
	Linear 16KHz/24KHz/32KHz44KHz
Programming:	user-friendly web interface and password
Connection:	SIP Server (IP-PBX) or P2P (Peer To Peer)
Warranty:	2 years, possibility of extension (Option)
Compatibility:	CE, ROHS

Container/Protection:	metal /IP20
Installation:	table, wall, DIN rail
Operating temperature:	from -20° to +55°C
Storage temperature:	from -20° to +65°C
Relative Umidity:	up to 95% non-condensing
Dimensions/ Weight:	74x58x25mm / 160gr
External Audio Input	
Connector:	Jack 3,5mm
Maximum signal level/Impedance:	2Vpp/600 Ohm
Insulation:	with internal transformer
Microphone (Optional)	
Connector:	proprietary RJ45
Type:	electret with power supplied by AD615/S

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TEMA TELECOMUNICAZIONI S.r.l.
Via Costante Girardengo, 1/4 - 20161 Milano MI (Italy) Tel. +39 02 61544.1 Fax +39 02 6152605
Web: **www.tematlc.it** *e-mail:* sales@tematlc.it *Tech:* support@tematlc.it

THE BEST OF MADE IN ITALY

UNI EN ISO 9001:2015

AD615S-ENCODER-DEP-1802EN   * Product specifications may change without notice *   WWW.TEMATLC.IT   **2**