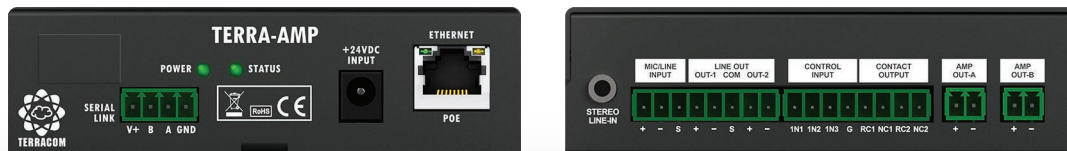# TERRA-AMP Vox@

AMPLIFIED IP POE TERMINAL

TERRA-AMP Vox@ is an amplified IP PoE terminal with 2 inputs, 2 independent mono amplified outputs and 2 independent mono line outputs. This IP terminal is designed for 8 ohms speakers which enables reduction of costs and clutter making it the ideal solution for public places sound systems.

The device is directly connected to the network thanks to a standard RJ45 interface.
A built-in web browser interface allows simplified control and programming of the unit.
The DSP based architecture enables management of new codecs.
SIP protocol enables compatibility with the standards of digital telephony.

Contact inputs can be programmed as logic, selector or analog mode for actions triggering, source selection or gain adjustment.
Contact inputs and relay output are fully programmable and can be managed locally or via a VNB control protocol.

TERRA-AMP Vox@ is perfect for applications where amplified outputs and local inputs are requested, such as:
- Microphone connection for environmental recording on a server while broadcasting messages on the amplified outputs.
- Audio source connection to broadcast IP streams or local source on the amplified outputs.
- Local message broadcasting triggered by a contact input.

In addition, using Vox@net g2 audio software enables TERRA-AMP Vox@ to act as a matrix with 4 zones and to broadcast 2 audio sources over the IP network.

SUPPORTED CODECS	SUPPORTED PROTOCOLS	
Linear PCM 16 bits	802.1 - Ethernet	RFC 1945 - HTTP 1.0
G.711, G.722, G.729ab	802.3af Power over Ethernet (15.4 W)	RFC 2236 - IGMP v2
Speex Wideband	RFC 1157 - SNMP v1	RFC 5506 – RTP
MP3	RFC 1213 - MIB II	RFC 3261, 3264, 4566 - SIP 2.0 and SDP

CHARACTERISTICS

- 1 mono unbalanced line input
  1 mono balanced mic/line input
  Sensitivity: 8 to 20 dBu
  Frequency response: 20 Hz - 20 kHz
- 2 mono balanced line outputs
  Maximum level: 8 dBu
  Frequency response: 20 Hz - 20 kHz
- 2 IP audio encoders, 4 IP audio decoders (Unicast, Broadcast, Multicast)
  4 message readers
  Internal 100 MB storage for message and music playback
- SIP user agent
- VNB Framework control protocol for interaction with other devices (including HTTP)

- Vox@ range and Vox@net g2 compatible
- Event scheduler
- Ethernet interface: RJ45 10/100 Mbits/s with PoE (Power over Ethernet)
- RS232 for third party control
- 3 contact inputs
- 2 relay outputs: N.O.
  Limits: 60 V, 100 mA
- LED: Power, Status, Ethernet Link
- PoE (Power over Ethernet) or external 24 VDC power supply
- Power consumption: Maximum 40 W local power supply
- Dimensions (D x H x W): 104 x 32 x 109 mm
- Weight: 0.46 Kg