

**Vox@net g2**
AUDIO OVER IP SOFTWARE

Vox@net g2 is a software program that orchestrates Audio over IP distribution of a set of sources to multiple broadcast points.

With Vox@net g2, you can broadcast microphone calls and any information, safety messages, or music sources to any zone or group of zones according to priorities. You will be informed of your system's complete status in real-time or by a simple glance at the event log.

The Vox@net g2 IP-based audio system is deployed through a client/server architecture and allows to monitor all audio sources and destinations. It can be used, for example, with IDA8 and DIVA digital security matrices (Security Public Address Systems compliant with the EN54-16 standard), but also with conventional Public Address Systems such as IDA4, IP terminals from the Vox@ range, and digital matrices for audio over IP (TSIP, PRIMA-VA/R).

Vox@net Server is a controllable service allowing a link with a Centralized Technical Management (CTM). It will interface easily with your supervision system (XML Web Services, Modbus, Client Protocol) thanks to its multiple gateways.

The stations in charge of the broadcast are clients of the server. A client can be a PC with a client interface such as Vox@net Client and a Vox@K G2 IP microphone or a Vox@D integrated console with a touch panel. Each client is assigned a unique call priority. The client station allows broadcasting live microphone announcements with or without a jingle. It allows to record/listen messages, perform predefined actions such as broadcasting messages and music in the selected zones, display faults, show busy zones, adjust volume levels, and manage the programming. The Vox@net Client interface is customizable by configuration in QML. The interface can be different depending on the profile of the user connected to the server.

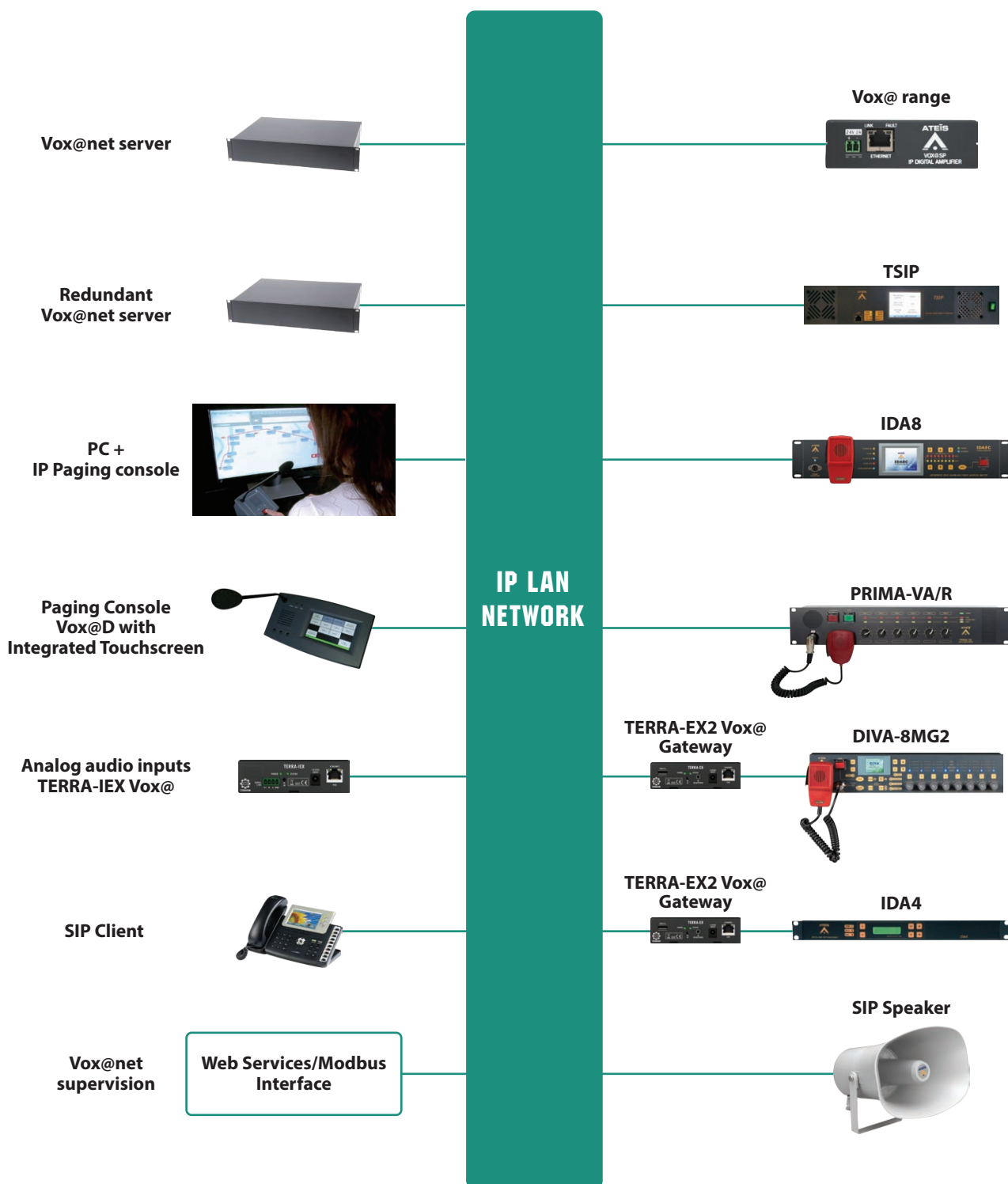
Several music sources (CD players, tuners, ...) can be connected to the network through a TERRA-IEX Vox@ and controlled by all clients. Playlists of mp3 files hosted on the server and multicast RTP streams that would be available on the network (VLC, ...) are also available music sources.

Groups classify messages to assign them a different priority and jingle. Each message duration is not limited, and the maximum recording time is configurable. Messages can be recorded from a client workstation, imported, or created via a Text-to-Speech interface (keyboard text entry) available with Vox@net Client or via supervision clients' protocols.

Vox@net g2 allows the creation of message broadcasting programs according to a calendar (time, day of the week, date, repetition...). If several messages are sent simultaneously in the same zones from different control stations, they can be queued and broadcasted according to their priority.

2 server PCs can be implemented to ensure redundant Vox@net g2 operation, for automatic failover. The synchronization of configurations, messages and history is automatic.

SCHEMATIC



CHARACTERISTICS

SERVER FEATURES

PC Software (Windows)
 Redundant server
 Audio over IP streaming
 Multiple client stations
 Multiple broadcasting points
 Multiple sources
 Routing
 Priority management
 Occupation status, Evacuation status
 Logic inputs status
 Major/minor faults
 Messages banks
 Recording, import, Text-To-Speech
 Pre-listening
 Sequences, repetitions
 Queue, rescheduling of interrupted messages
 Chime for paging and per message bank
 SIP Client
 Listening monitoring
 Music: analog sources, IP streams, mp3 playlists on server
 Messages, musics and levels scheduler
 Operational history
 Audio archiving of broadcasted announcements and messages
 Matrices and clients management and monitoring
 Control via Web Services XML, Modbus and Client Protocol
 Devices monitoring
 User rights, profiles, accounts
 Vox@net Client GUI depending on user profile

OPERATOR STATION GUI

Zones selection
 Paging with/without chime
 Messages/Musics
 Occupation status by zone: Mic/Chime, Music, Message, Local audio source
 Evacuation status by zone
 Fault status by zone
 Recording, import, Text-To-Speech
 Messages pre-listening on paging console associated
 Management of messages banks, metadata, search filters
 Audio levels control for clients and matrices
 Messages, musics and levels scheduling
 Programs preview
 Lookup access
 User sessions (login, password, access rights)
 Site editor:
 Zones, functions, groups, logic status buttons

SPECIFICATIONS

256 matrices
 512 clients (99 via Modbus)
 64 zone codes per matrix
 100 groups of zones
 100 simultaneous audio channels
 100 priority levels
 9 Text-To-Speech voices
 Messages: up to 900 via Modbus
 8 Messages banks
 300 programs
 Program period: 1 minutes to 12 hours

PC requirement: Windows (all version from Windows 7)
 Windows Server 2008 for redundancy

IP Streams: Multicast, Unicast
 Audio formats: mp3, LPCM 16 bits, G.722
 Protocols: RTP, SIP, IGMP, HTTP, XML

Compatible with: Vox@ range, TSIP, PRIMA VA, IDA8 and DIVA, IDA4 with Vox@ gateway

APPLICATIONS

Airports
 Subways
 Tramways
 BHNS
 Train stations
 Industrial sites
 Smart city
 Networked Schools

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ORDERING INFORMATIONS

Vox@net g2 Server 50 : Management license* for up to 50 functional zones or clients

Vox@net g2 Server 200 : Management license* for up to 200 functional zones or clients

Vox@net g2 Server FULL : Unlimited license*

*Allows free use of Vox@net Client on server PC

Vox@net g2 Client : License for workstation PC client