Join™ VLC

Analog- and (Ro)IP-Gateway

Benefits

Central user friendly management, cost savings through energy efficiency and integration of existing infrastructure into modern IP networks. Integrated recording and documentation of communication processes. Excellent audio quality by using state-of-the-art codecs.

Join™ VLC is made for use in a wide variety of environments. This is achieved by different designs and a decentralized system concept. The components are robust and ideally suited for professional use.

Design

Due to different designs, Join™ VLC can be integrated into any infrastructure (stationary, mobile). Installation in 19" technology can be implemented using subracks or a 1U variant, which is also suitable for mobile use.

Redundancy / Reliability

Both designs allow redundant operation of power supply and network connection.
The 1U version supports PoE.

Hotswap

System components can be changed during operation.

Maintenance free

Join™ VLC has no moving parts and is therefore completely maintenance free.

Decentralized

Reliability in the network due to decentralized operation.

Robust.

Voxtronic.

Scope of application

Join™ VLC is specifically designed for use with government agencies and public transport (railways, airports, ...).
Due to the permanent further development also new requirements can be realized. The open concept also allows Join™ VLC to be used in third-party products.

Radio

Analog and digital radio, train radio as well as trunked radio can be connected via 2-wire or 4-wire. The control (PTT, squelch) takes place via contacts or center tapping. The transmission of additional data will be done via serial interfaces.

Telephony

Connectivity to telecommunication systems (PBX, BASA), trunks (PSTN) and telephones (FXO / FXS). Features such as CLIP, CLIR, COLP, etc. are forwarded as transparently as tones (DTMF, FSK) and transmitted numbers.

Emergency call

Join™ VLC actively connects emergency call systems such as local battery, SOS telephone and emergency hotline via VoIP. To generate the ring tone, the gateway is extended by a ring tone generator (RTG). Contacts can also be used to control an external ring tone generator. The geodata is transferred via an RS232 interface.

Public Address System (PAS)

Connectivity to single-directional or two-way-directional public address systems. Join™ VLC can be used in conjunction with sonic applications with or without amplifier modules. External amplifiers are controlled via contactors and external contacts are evaluated via digital inputs.

Versatile.

Voxtronic.

Key features

Join™ VLC is a gateway for integrating analog sources into a modern IP infrastructure. Join™ VLC provides a range of interfaces for different devices. Data streams can be recorded and special features processed.

Recording and documentation

Audio, video and data are documented in compliance with legal requirements. The data can be stored locally or in the network and exported with or without encryption.

Supports various operating modes

Different interfaces allow integration of technologies such as GSM, GSM-R, Digital Radio (TETRA, POCSAC, EDACS), ED137, Analog Radio, Analog Train Radio, Trunked Radio, Local Battery, Tunnel Emergency Call, Intercom, Public Address System (PAS), DTMF , FSK, SELECT5.

Fullband, Wideband

The connection of analog devices can be 2- or 4-wire. The processing of the signals from 50-20 kHz allows the support of full- and wideband.

Modern codecs

Different codecs are supported through IP (e.g. OPUS, G.711, G.729 ...). This allows integration into any infrastructure.

Smart Communication.

Voxtronic.

System management

Voxtronic components can be monitored and configured by using central system management. Efficient software management is performed by automated processes.

Central management

Central administration (update, configuration, status, inventory).
Monitoring (temperature, humidity, energy consumption, component status, etc.) of all system components.

Operation monitoring

Transmission path and devices are monitored for operation state and quality.

Monitoring of energy efficiency

The energy consumption of individual system components is monitored and logged. To reduce power consumption, system components which are not used can be remotely disabled.

Expandable

The modular design allows a simple expansion of the system components. Special functions can be realized by additional modules (e.g. ring tone generator).

Investment Protection.

Voxtronic.

Voxtronic.
Smart Communication

About us
Voxtronic develops secure communication products and solutions for enterprises with high security requirements and organizations with critical infrastructure for public safety, public transport and industry by using the latest technologies.

Conex™ Platform

- Operator Position - Conex™ Dispatch
- Air Traffic Communication - Conex™ VCCS
- Documentation of Communication Processes - Conex™ Voxlog®
- Technical Control & Monitoring System - Conex™ TCMS
- Session Border Controller - Conex™ SBC
- Gateway - Conex™ Gateway
- Data Analysis - Conex™ Analytics
- Access Control & Time and Attendance - Conex™ Access

Join™ VLC
Join™ VLC is a analog- and (Ro)IP-Gateway for integrating analog sources into a modern IP infrastructure.

Voxtronic Service

- Projects
- Development
- Installation
- Training
- Maintenance

Certificates

- ISO 9001
- ISO 14001
- ISO 27001
- DMR Association Member

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