

TELEINDUSTRIA srl

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EMERGENCY SOS TELEPHONE SYSTEM

Full-ip server Desqo™ DSQ-100

DESQO™



LICENSES FREE

DESQO™ does not require any software license. All software features are guaranteed, with virtually no limit to the number of VoIP users.

SIZING OD HARDWARE

DESQO™ can be equipped with FXS ports for analogue users (from 4 to 64) and with FXO ports for connection to the PSTN network (from 4 to 8).

INTELLIGIBILITY INDEX

The **DESQO™** system combined with the entire gamma of **TELEINDUSTRIA™** service and emergency communication terminals guarantee a high level of conversation quality and an intelligibility index that complies with the most stringent requirements of the regulations in force.

REFERENCE RULES and STANDARDS

EN 60820; EN 62368-1;
EN61000-6-2:2019; EN61000-6-3:2021; EN 50121-4
EN60945;

ORDER CODES

DSQ-100:..... SIP server
DSQ -104:..... SIP server + 4 FXO
DSQ -144:..... SIP server + 4 FXS + 4 FXO
DSQ -184:..... SIP server + 8 FXS + 4 FXO
DSQ -188:..... SIP server + 8 FXS + 8 FXO

SOS TELEPHONE PLATFORM DESQO™

DESQO™ is a VoIP platform designed to create **professional emergency telephony systems** for roads, highways, railways, tunnels, subways, public areas, heavy industrial environments. The platform is entirely based on **free and internationally widespread protocols**, so it can accept virtually any kind of telephone equipment that meets international standards.

VoIP (SIP) telephones, analog telephones and GSM telephones can be registered on the system. **DESQO™** interfaces with the outside world through **PSTN** and **GSM** network interfaces.

The **DESQO™** platform offers the possibility of obtaining **fully redundant hardware**, an almost indispensable function in the aforementioned contexts.

DESQO™ includes supports all the functions generally required in emergency and SOS telephony systems, not present in common VoIP-SIP servers intended for civil communications.

DESQO™ offers **PAGA (Public Address and General Alarm)** features, both through Full-IP loudspeakers or traditional PA systems.

OPTIONAL FUNCTIONS

- Multiple consoles in Control Room
- Interface with CCTV
- SCADA interface
- SNMP queries
- Alarm Tones and Pre-recorded Speech Messages

PhoneMap™ - Graphical maps

The **PhoneMap™** option allows the display of a graphical map with the icons of the individual SOS telephones and the status of each SOS station.

TelDia™ - Remote Inquiry

The **TelDia™** option allows automatic monitoring of **TELEINDUSTRIA™** SOS telephones, with detection of the good functioning status and the fault status.

VoiceRec™ Voice Recorder

The **VoiceRec™** option allows the audio recording of emergency conversations, listening to the recordings and exporting the related audio files in wav format.

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SPECIFICATIONS

GENERAL

Dimensions: 19 inches – 1 Units
Weight: 2,5 kg
Power: 230Vac (12Vdc; 24Vdc; 48Vdc) – 25W
Mounting: 19" rack
Temperature Range: -15°C ÷ +60°C
Relative Humidity: 95%

HARDWARE

Processor: INTEL ATOM
Storage: 32GB
Memory: 2GB RAM

CAPACITY

Subscribers' capacity up to 600 users per server
Busy Hour Call: 60.000 BHCA
IP Phones: up to 600 IP telephones per server
Analog Phones: up to 32 FXS user ports, expandable to 192 with external Gateways

NETWORK FEATURES

IP Priority: DSCP TOS
IP Security: Hardware root of trust, SSH, HTTPS, Firewall
SIP: RFC 3261; SIP INFO; RE-invite; RFC 2833; RFC 4733
VoIP Internal Networking: 64 channels
VoIP External Networking: 64 channels
SIP Trunk: available
ISDN Trunk: external Gateway
Analog Trunk: FXO external Gateway
GSM Trunk: external Gateway
Configuration: web
Monitoring & Logging: SNMP trap, SNMP MIB, Syslog, Web, email, SQLite
SW Upgrade: web system recovery upgrade
VoIP Audio: HD Audio, HD Voice, G711 telephone band
Conference: available, 25 channels, no limits to participants
Group Call: 250 Groups
Call Modes: Open mode; Ringing mode; Call Request mode; Priority features;
Audio Messaging: PA Broadcasting

ENHANCED EMERGENCY FUNCTIONS

Telephones Monitoring: TelDia™ application software
Audio Recording: Recording of conversations
Icons and Graphic Map (mimic panel): Dynamic configurable map with state icons of subscribers

STANDARDS

EU Compliance: European Directives 2014/35/UE; 2014/53/EU
EN standards : EN 60820; EN 62368-1; EN61000-6-2:2019; EN61000-6-3:2021; EN 50121-4; EN60945;

NOT ALL THE ABOVE FEATURES AND FUNCTIONS ARE AVAILABLE ON ALL DESQO™ CONFIGURATIONS. AT PURCHASING PHASE, PLEASE AGREE WITH THE LOCAL AGENCY/DEALER THE FEATURES YOU NEED.