

**TELEINDUSTRIA srl**

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## INDUSTRIAL TELEPHONE SYSTEM Full-ip server Desqo™Mini

# DESQO™



### LICENSES FREE

**DESQO™** does not require any expiring software license. One time the platform is purchased all software features are guaranteed, with no limit of time. Special purchasing tariff is applied when using TELEINDUSTRIA's VoIP telephones, but the platform is open to any Sip based telephone.

### SIZING of the HARDWARE

**DESQO™** can be equipped with external modules for FXS ports for analogue users and with FXO ports for connection to the PSTN network.

### 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-50:..... SIP server

### TELEPHONE PLATFORM DESQO™Mini

**DESQO™Mini** is a VoIP platform designed to generate private **professional telephone systems**.

The platform is entirely based on **free and internationally widespread protocols**, so it can accept virtually any kind of telephone equipment that meets international SIP standards.

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

**DESQO™** supports all the functions generally required in professional industrial and emergency telephone systems, not present in common VoIP-SIP servers intended for civil communications.

### OPTIONAL FUNCTIONS

- Multiple consoles in Control Room
- Audio recording of conversations
- SCADA interface
- SNMP query

### 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.

### 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.

### Basic configuration

The basic server DSQ-50 offers limited functions and is generally used for small size systems.

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# INDUSTRIAL TELEPHONE SYSTEM

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### SPECIFICATIONS

**GENERAL**

Dimensions: ..... 117x92x48mm  
Weight: ..... 0,9 kg  
Power: ..... 5Vdc – 25W  
Mounting: ..... 19" rack  
Temperature Range: ..... -0°C ÷ +50°C  
Relative Humidity: ..... not declared

**HARDWARE**

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

**CAPACITY**

Subscribers' capacity ..... up to 100 users per server  
Busy Hour Call: ..... 60.000 BHCA  
IP Phones: ..... up to 100 IP telephones per server  
Analog Phones: ..... up to 16 FXS user ports 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  
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: ..... 8 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: ..... 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.