



VOICE COMMUNICATION SYSTEMS



CMSpro highlights

THE ULTIMATE CONTROL AND MONITORING TOOL



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The TCS990 switch can be easily managed and controlled via our CMSpro (Control and Monitoring System) tool. CMSpro is a web server application for Linux, Windows (XP, 7 and 10). Several users can have access to different authorisation levels. This user friendly system supports our complete product portfolio, even radio equipment can be added. Service and upgrades are managed remote via a VPN connection.

ERROR LOG

All logged errors can be examined. The error page will show the current errors and the error history. A number of sorting settings allows easy error log managing.

DATA TRANSFER

For service administration it is possible to export sorted error logviews to Microsoft Excel™.

SNMP

When an error occurs the system is able to send SNMP traps to a network manager like HP openview. By means of these systems the switch can be monitored by a single service centre. The system distinguishes five severity levels and is able to send a separate SNMP message for each of them.

REAL TIME

A number of pages show real time information. These pages reflect the actual status of the system. The error page and the connectivity page are examples of real time pages.



DATABASES

The function of the switch is controlled by five databases. All these databases are managed by the CMSpro system. These databases can be up/downloaded, edited and saved.

FIRMWARE UPDATES

The CMS system supports the update of new firmware. All processor controlled equipment with a digital connection to the switch can be updated by means of the CMSpro system.

SYSTEM TESTS

A number of system tests can be initiated to check the function and performance of the system and system parts.

PERIODIC

Periodic functions like transmissions of prerecorded voice messages and automatic main/standby switchover can be configured.

TECHNOLOGY

Client/server application running on a standard Linux, Windows version 2000, XP or 7 PC. The application can be controlled with any modern web browser. The system is built on proven technologies, incorporating Apache webserver, MySQL database, PHP, Adobe Flash player and javascript.

CONTROL

When logged on with the proper access level all functions and parameters can be customised.

RIGHTS

The system has five access levels. The highest level is the system engineer; this access level allows all settings to be changed. The lower levels are the supervisor, administrator, service and operator. Each following level has less rights. The operator level has limited viewing rights only. Access is granted through names and passwords. Brute force entrance is prohibited by a lock out for a fixed time.

LANGUAGE

The system supports multiple languages. Every logged on user can select the language of his choice.

LOUD AND CLEAR, ALWAYS

CLEAR INDICATION

All system errors are logged. If a system error occurs, there will be an audible warning. The status of all equipment is graphically shown on a map by use of coloured dots. When an error occurs the location of its origin will be indicated by changing the dot colour into red. A click on the red dot will show all equipment on that location. The status of the individual devices can then be viewed by a simple click on the device in question. Some types of equipment allow the user to conduct diagnostic tests.

CONFIGURATION

- Type of equipment
- Type of connection
- Behavioral parameters
- Role models
- Radio presets
- Databases
- Audio presets
- SNMP severity level
- Graphical settings
- Periodic functions
- PABX settings

MONITORING

- Real time error logging
- Generating filtered error lists
- Real time connection overview
- Geographical overview
- Remote site overview
- Action logging
- Equipment version overview
- CMS logging
- Active users
- Mark system errors
- PABX call logging

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