

CCS / COMWIN 5.1



Control Desk Visualisation (CCS Package Build 3188)

COMWIN 5.1 is the new generation of visualisation software for control desks in client-server structure. All control desk functions of the intercom systems are displayed on one or multiple monitors. The separately available CCS applications Reporter, ComVideo, Scheduler and SDK open the path into a new dimension

CCS COMWIN WORKSTATION SOLUTIONS

COMWIN-L COMWIN Light: Stand alone version with up to 100 icons and 10 plans.

COMWIN-W COMWIN Workstation: Stand alone version for sophisticated control desk tasks, incl. 1,000 icons, no restriction of plans, expandable with COMWIN-5.

CCS COMWIN NETWORK SOLUTIONS

COMWIN-N COMWIN Net: Client-Server version for multistation control desks, even at remote areas, incl. 2 clients and 1,000 icons, no restriction of plans, expandable with COMWIN-5 and COMWIN-C.

COMWIN-B Backup CCS (Communication Server) for especially high demands of failure security in the system.

CCS COMWIN EXPANSIONS

COMWIN-C Expansion of one client for COMWIN-N.

COMWIN-5 Expansion of 500 icons for COMWIN-W or COMWIN-N.

of the use of Security and Communication Systems. In standardized reporting, scheduled automation of intercom functionality, video integration and the development of professional custom CCS applications, possibilities are nearly boundless.

CCS-APPLICATIONS/LICENCES

COMRPT CCS Reporter: Storage of data in SQL database, Intercom-Index function for allocation of Intercom call number to the description of CCT for protocol conversion, access to COMWIN user accounts.

COMVID CCS ComVideo: Integration of many popular solutions for Video-over-IP with special features, e.g. observation monitors, video display at call requests, video scanning – controlled by the intercom system.

COMSCH CCS Scheduler: Automatic scheduling of Intercom functions.

COMSDK Software Development Kit: SDK based on .NET for creation of custom CCS solutions, e.g. integration of external systems or special applications.



Technical Data

SYSTEM REQUIREMENTS

Hardware
<ul style="list-style-type: none"> • 20 GB available hard disk space • CD drive for installation, mouse and keypad • Serial interface (at CCS PC) • USB port for licence dongle (at CCS PC)
CCS / COMWIN
CCS COMWIN-L
<p>≤ 100 Icons + ≤ 10 Plans: 512 MB RAM, 1,8 GHz, Single or comparable multi-core-processor</p>
CCS COMWIN-W / CCS COMWIN Client
<p>≤ 1,000 Icons + Plans < 50 MB: 1 GB RAM, 1,8 GHz, Single or comparable multi-core-processor</p> <p>≤ 4,000 Icons 1 GB RAM, 2 GHz, Single or comparable multi-core-processor</p>
CCS / Backup CCS
<p>≤ 25 COMWIN Clients + ≤ 25 ComVideo Clients: ≤ 50 Stand alone ComVideo Clients: 512 MB RAM, 1,8 GHz Single or comparable multi-core-processor</p>
CCS Reporter
<p>Reporter XML - Mode: 512 MB RAM, 1,8 GHz, Single or comparable multi-core-processor</p> <p>Reporter SQL - Mode: 1 GB RAM, Single or comparable multi-core-processor SQL - Server is on the CCS PC Recommendation: Delimit the memory of the SQL - Server to 512 MB</p> <p>Reporter SQL - Mode + CCS COMWIN: 512 MB RAM + CCS / COMWIN hardware requirements Recommendation: Delimit the memory of the SQL - Server to 512 MB</p>
CCS ComVideo
COMVID16, COMVID32, COMVID Stand alone
<p>Concurrent video streams / Requirement</p> <p>1 - 4 / 512 MB RAM, 1,8 GHz, Single or comparable multi-core-processor</p> <p>5 - 10 / 512 MB RAM, 2 GHz, Single or comparable multi-core-processor</p> <p>11 - 16 / 512 MB RAM, 2,5 GHz, Single or comparable multi-core-processor</p>
<p>CCS ComVideo + CCS COMWIN: 256 MB RAM (CPU see above) + CCS / COMWIN hardware requirements</p>
Network
CCS / COMWIN
<p>Specification / Bandwidth</p> <p>≤ 2 Clients, max. 1000 Icons (Intercom + Navigation Icons) Min. 768/256 kbit/sec Download / Upload,</p> <p>≤ 10 Clients, max. 4000 Icons (Intercom + Navigation Icons) Min. 2 Mbit/sec,</p> <p>≤ 25 Clients > 4000 Icons (Intercom + Navigation Icons) ≥ 10 Mbit/sec</p>
CCS ComVideo
<p>The required bandwidth depends on the number of IP video sources and their configuration. Therefore the network requirement must be determined for each project separately.</p>

Software
<ul style="list-style-type: none"> • Operating systems: Windows 2000 with SP 3, Windows 2003 Standard Server or Windows XP Professional with SP 2 (recommended) • Vista: COMWIN, Comvideo, Reporter with .NET 2.0 (you need for the CCS application Windows XP) + 1GB more memory • CCT - Central Configuration Tool as of Version 5.3 • The installation of following components is required: <ul style="list-style-type: none"> – Hardlock for licence dongle (at CCS PC) – Microsoft® Data Access Components „MDAC“ (at the PC where CCS, CCS COMWIN and CCS ComVideo is running) – Microsoft® Message Queuing „MSMQ“ (at the PC where CCS, CCS COMWIN and CCS Reporter is running) – Microsoft® .NET Framework Version 2.0
Intercom Server
<ul style="list-style-type: none"> • Intercom Server GE 200 / GE 700 with Software as of Pro 05.3 • Subscriber card Feature Level D (for control desk feature) • G2-V24 / G7-V24 or G7-V24-PRO card

MAXIMUM EXPANSION

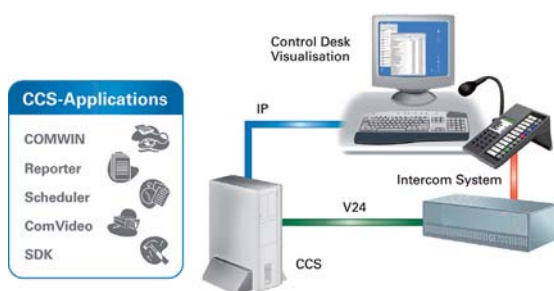
- Maximum number of icons (standard-, jump- and menu icons) per COMWIN project: 8,000
- Maximum number of icons (standard-, jump- and menu icons) per plan: 150
- Maximum number of plans per COMWIN project: 200 (≤ 100 MB sum of all image files)
- Maximum 25 COMWIN clients plus 25 ComVideo clients or 50 stand alone ComVideo clients per CCS
- Maximum number of COMWIN messages/minute in sum from all adapters to the CCS: 200
- Maximum number of IP video sources in ComVideo: 2000
- Maximum number of appointment series in CCS Scheduler: 400 appointment in one day interval, 600 appointment in two day interval or 800 appointment in three day interval – with maximum five COMWIN commands per appointment.
- The maximum number of SDK applications depends on the respective requirement of each application – so it must be tested.



Features

CCS (COMMUNICATION SERVER)

- Central software platform providing to application development the infrastructure for all kinds of solutions in the areas of security and communication.
- State of the art software design assures comfortable access to the Intercom System with all its Intercom Terminals, contacts and inputs.
- Via gateways, distributed adapters provide opportunity to integrate interfaces to all parts of building automation.



CCS COMWIN

- Client-Server structure – can optimally be adapted to the user requirements in multistation control desk situations
- Flexible and customer specific design of the COMWIN user interface with plans and interactive icons – for display of the states of intercom stations, inputs, outputs, ...
- Various visualisation mechanisms for focusing the attention on events within the system: icon change, icon blinking, tone signals, display of overview via summary windows.
- Freely positionable summary windows for clear display of message groups, e.g. all open doors or barriers
- Measure plans, help texts, freely definable windows, etc.
- Notification about events via e-mail (in case of COMWIN client is started and logged in)
- Multi-monitor support
- It is possible to create multiple users with different authorization rights.
- Depending on the rights certain configuration sets, authorisations and groups can be accessed.
- The plans are assigned to locations. So to each location (e.g. car park) multiple plans can be assigned (e.g. park decks).
- The configuration sets include locations with the according plans and icons.

CCS REPORTER

- Reporter tool for detailed protocolling of the security and communication system.
- Maximum 30 days data storage at licence free version
- With licence COMRPT data storage in SQL database (with MSDE 2000 up to 2 GB)
- Extensive filter options
- Report creation in various standard formats such as PDF, DOC, XLS and pictures (JPG, BMP, ...)
- Central administration of user account in CCS COMWIN
- Printing on protocol or page printers

CCS COMVIDEO

- Video tool with licences for 16, 32 or a number of IP video sources which is limited by the maximum expansion (see page 2). Integration of many popular solutions for Video-over-IP with special features, e.g.
 - Observation monitors
 - Automatic video display to preview monitors at call request or door call – controlled by the Intercom system (SoftVideo)
 - Main monitors, preview monitors, video scanning (SoftVideo protocol)
 - Various video matrices (1x1, 2x2, 3x3, 4x4, 1-5, 1-7, 2-4 and 2-8) and freely placeable video windows
 - Backup-CCS function is not available for CCS ComVideo.

CCS SCHEDULER

- Scheduler tool for automatic scheduling of Intercom functions via COMWIN messages.
- Single appointments and appointment series (simple creation with a wizard is possible)
- Overview similar to those of Microsoft Outlook®
- Backup-CCS function is not available for CCS Scheduler.

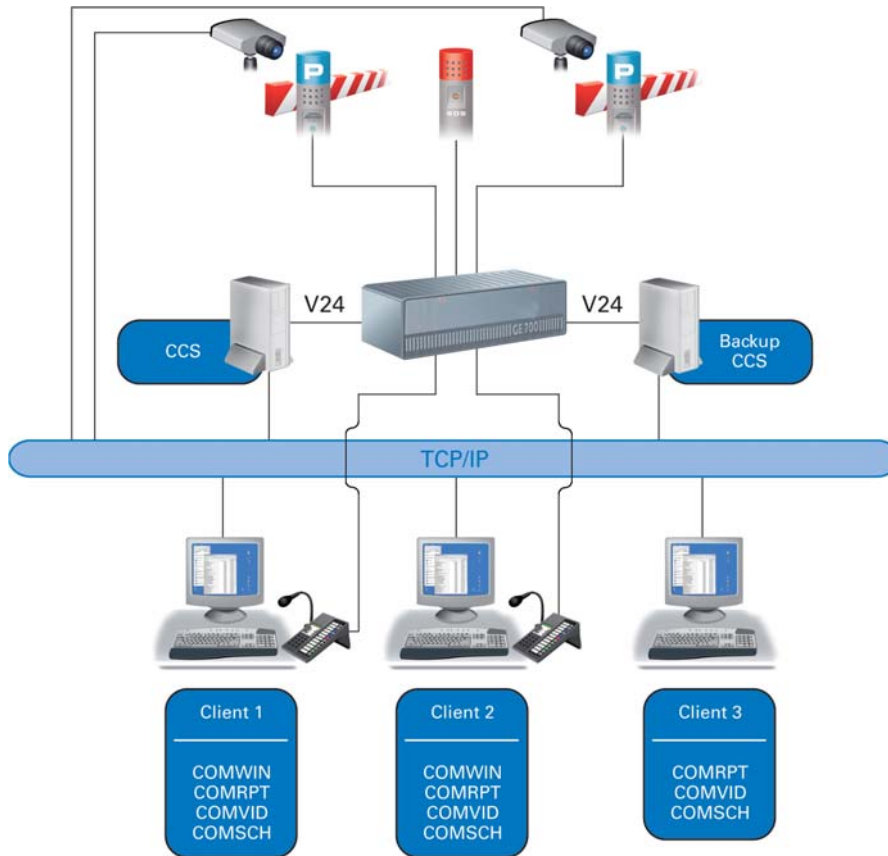
CCS SDK

- Software Development Kit based on Microsoft® .NET for creation of custom CCS solutions, e.g.
 - Integration of databases
 - Parking counter
 - Interface to other systems
 - Automatic announcements generated with Text to Speech
 - Etc.



Installation

EXAMPLE NETWORK SOLUTION



EXAMPLE WORKSTATION SOLUTION

