



## Communication software B-COMM

The B-COMM integration platform is designed for fast and efficient management of terminal systems or access components and related functional areas – regardless of the computer or operating system platforms. B-COMM encompasses the creation and management of clients and communication channels, order processing and data exchange with partner applications.

### **Simple and convenient**

For a partner there is a significant advantage: it only programs the interface to its application once and can use it on Windows, Unix and OS/400 platforms. B-COMM is also characterised by its functional depth and ease of use. The functions can be operated remotely via the B-COMM GUI graphic interface.

### **Benefits at a glance**

- Consistent, graphical user interface for easy operation
- Easy integration of terminals and access components
- Convenient installation and setup in any IT environment
- Installation of modules and software applications on different computers
- Standardised interfaces for easy integration into partner applications
- Cross-generational: the platform makes it possible to operate different terminal generations in a single system

# Features

Depending on the application and application area, a wide variety of optional modules are available for B-COMM. These can be combined any way you like for a tailor-made solution.

## User administration

B-COMM user administration is used to create and manage users and grant specific rights.

## User data communication

User data communication defines the maximum number of terminals, access readers and standalone components that can be logged on. It guarantees and handles the transfer of hardware recording data (booking data) to the partner application.

## Parameterisation software

With the Parameter Editor Collection (PEC), the various terminal functions can be set in a user-friendly manner to meet varying requirements. Initialised or factory-set parameters can be modified according to customer-specific requirements and stored in the terminal.

## TerminalStatus

TerminalStatus is a program that provides the system administrator with the communication states of the time recording terminals and access readers (e.g. „reachable/unreachable via network“), or error records or alarm records from terminals (e.g. „tampering“) or door alarms (e.g. „forced entry“).

## E-mail server

B-COMM provides the ability to set up a connection to an e-mail server. When predefined or freely definable events occur, e-mails will automatically be sent to the recipients responsible.

## CardLink™

The B-COMM – Option CardLink module extends the partner application with the solution of standalone access control. The relevant door components are integrated into the application without any need for wiring. Wireless connection is also possible using a gateway.

## Biometrics

With the B-COMM – Option Biometrics integration platform, we offer you the communication structure for exchanging data between biometric terminals or readers and the software application.

## AVISO

This optional programming module makes it easier to create and customise AVISO routines of all kinds. The scripting language available in the terminals guarantees the possibility of extending the firmware functionality.

## Multiple application interfaces

Depending on the type of record or record type modification, captured data records – for example, from time recording, production data acquisition or access control – can be assigned and transmitted to more than one online application.

## Components

### • B-COMM server

The server makes available all the objects and methods that are accessed by the other components via Remote Method Invocation (RMI). It also manages the complete configuration of the overall system and communicates with all components and the connected application. Communication to a cloud-based partner application is carried out via the ISO-certified protocol AMQP.

### • B-COMM IO

The communication component is responsible for exchanging data between the terminals and the access components, as well as the partner application. The partner application can be reached both „On Premise“ and „On Demand“ via a broker. In line with requirements, the data is transferred in both directions; all records and activities are logged and stored in a booking file.

### • B-COMM GUI

B-COMM GUI ensures the graphical representation of the administration and configuration of the entire system – for example, displaying users, clients, channels, network adapters, terminals and jobs. The components can be installed separately and more than once on the client side.

### • B-COMM Helper

If a partner application is not programmed in Java (not RMI-capable), the B-COMM Helper is used as an interface. The Helper then converts the data from TCP/IP to RMI, and also vice versa, from RMI to TCP/IP.

**Any questions? We would be happy to answer any questions you may have.**