Integration Platform
B-COMM®
Efficient, Modular, User-Friendly
An integration platform for all communication needs

Maximum flexibility thanks to open architecture and Unicode
Companies use a wide range of hardware platforms, network technologies, operating systems, and software applications for their IT structures. Organisation and production sequences are often supplemented by systems for time and attendance, shop floor data collection and access control.

The integration platform B-COMM has been developed for integrating all data collection processes into the IT structures. As already suggested by its name, B-COMM has been programmed in Java, thus allowing smooth communication between the data collection terminals and the relevant software applications - independently of the computer and operating systems.

The decisive advantage of the modern open architecture of B-COMM is that the interface has to be programmed only once, but can still be used on all platforms. Furthermore, the individual B-COMM modules and software applications can also be installed on different computers.

B-COMM is prepared for processing international fonts, allowing it to be used worldwide.

Our expertise - We are specialists for shop floor data collection. How does this benefit you? You get, for example, a database that is always up to date, allowing you to make decisions immediately.

Time and attendance - Time is money
This saying is still true, today even more so than in the past. This is why an effective time and attendance is an absolute must in any company. Collecting the company attendances simply, quickly and conveniently on ergonomically designed terminals, transferring them for further processing and giving our employees a correct pay slip at the end of the month. You don’t have to worry about that any more. You just choose from our wide range of time and attendance terminals the one that’s right for you, and you can forget the subject time and attendance for some time. As a matter-of-fact, our terminals are fail-safe and durable and will do their job reliably for many years to come.

Shop floor data collection - get the competitive edge
A company must have its costs under control. You have to know on a daily basis to what extent your capacity has been utilized, what stage you are at with your orders and what the individual orders will cost. For this, you need exact figures. This data is delivered by our shop floor data collection system. It collects all relevant job data. Analyses at the touch of a button ensure continuous transparency. When an order is complete, the system supplies the figures for the post-calculation promptly and thus provides a basis for future calculations. This gives you a better idea of how much profit a future job will bring you. This will give you a valuable competitive edge, and your company will continue to be successful.

Access control - to let you know «who-when-where»
Who has access where, when, and for how long? Has someone tried to gain access without being authorised? How can I make sure that only selected persons have access to certain company divisions? This question is answered by our holistic solution to access control. Play safe - give a defined group of people time-limited access rights for certain buildings, rooms or areas. To achieve an overall solution, it is recommended to integrate access control into other company divisions through a joint identification medium. We offer you matching hardware and the relevant communication solutions.
All features in detail

Flexibility and convenience

- For independent use of the operating system and hardware platform
- Standardised user and data interfaces across all platforms
- Standardised graphical user interface
- Fast parameter download via FTP
- Online interface to the software application via TCP/IP
- Allows separate installation of B-COMM and of the application
- Administration via remote access possible

Performance and security

- Unlimited number of clients
- Up to 99 streams can be configured per client
- Transfer of data in Online, Offline and Autonomous mode
- Differential automatic master record download
- Differential automatic validation download
- Encryption of the data communication between terminal and communication software
- Operatingsystem-oriented and interactive installation programme
- Scheduling for each individual job
- User-friendly support
- Configurations can be backed up (backup and restore)
- Configurable automated file maintenance

For universal and worldwide use

  B-COMM can be installed as service
- Unix:
  B-COMM can be installed as Daemon
- OS/400 (i5/OS)
- Languages: German, English, Spanish, French, Italian, Russian and Greek (more on request)
- Unicode: Thanks to the use of Unicode Big Endian, it can be used worldwide for all B-COMM files
High-performance basic components performing a wide range of functions

**B-COMM Server**

All objects and methods invoked by the other components via the Remote Method Invocation (RMI) are provided by the server, which in addition also manages the complete configuration of the overall system. To do so, B-COMM Server communicates with all components and the connected application.

**B-COMM IO**

The communication component is responsible for the data exchange between the terminals and the application software. Depending on the requirements, data transfer takes place in both directions, while all data records and activities are logged and saved to a booking file.

**B-COMM GUI**

The graphic display for managing and configuring the overall system – for example displays of users, clients, channels, network adapters, terminals and jobs – is guaranteed by B-COMM GUI. The components can be installed several times separately on the client side.
Optional modules for individual solutions adjusted to the needs

Depending on the area of use and application, a wide range of optional modules are available for B-COMM. They can be combined as desired to produce a customised solution.

User administration
This module allows users to be entered and managed and specific rights to be assigned within B-COMM. An administrator provided with special rights has a superior function and can define individually the rights of other users.

Data communication
This module is used to define the maximum number of terminals that can be logged on. Data communication - which can be acquired in stages, depending on the user’s needs - guarantees the transfer of the collection data (booking data) from the terminals to the application.

Terminal status
This program, installed on any desired computer within the network, allows the system administrator to call up the communication states of the terminals (accessible via network, not accessible, etc.). Error and alarm records (vandalism: terminal open!, etc.) or door alarms can also be displayed. Priority setting of these states can be done individually.

CardLink™
This optional module extends your application by a stand-alone access control solution. It integrates the different wireless door components into your customer application as an integral system via the RFID-based virtual CardLink network.

If you are already using an online access control, this CardLink module will also link the online and stand-alone access control to form an integrated solution.
Optional modules for individual solutions adjusted to the needs

**Biometrics**
This B-COMM - Option Biometrics module allows you to use biometrics in all areas of data collection. It conveniently uses the fingerprint for biometric identification. The module supplements the terminals, in order to register and manage the fingerprint characteristics and distribute them to the connected biometric terminals. This also works with globally active enterprises across national boundaries from one location to the next one.

**AVISO**
This optional programming module simplifies the creation and adaptation of AVISO routines of any type. The script language available in the terminals guarantees a possible extension of the firmware functionality.

**Several application interfaces**
This option makes it possible to define more than one online application. The entered data records, for example from time and attendance, shop floor data collection or access control, can be distributed and transferred to the different applications, depending on the record type / record type modification.

**E-mail server**
This optional module allows a connection to an e-mail server to be established. When freely definable events occur, for example start/stop of a stream, an e-mail is automatically sent to the configured addressees. This allows a quick and competent reaction when a fault occurs.

**Terminal software**
The Parameter Editor Collection (PEC) can be used to customise the numerous terminal functions for different requirements. The initialised parameters or factory settings can be edited to meet customer-specific requirements and saved in the terminal.
Only B-COMM offers you these advantages

**Maximum functionality**
- B-COMM works independently of operating systems and hardware platforms. The solution can be integrated quickly and easily into any IT architecture.
- B-COMM guarantees secure data exchange, which can be additionally encrypted upon request.
- By using Unicode, B-COMM is prepared for processing all internationally known fonts and can thus be used worldwide.
- B-COMM allows a graphic display of the management and configuration of the overall system. This includes clients, users and jobs, communication channels, network adapters and terminals.
- B-COMM can be configured precisely in accordance with the individual requirements for the desired solution: Numerous software options offer extension options made to measure.
- B-COMM is made for the future: By means of a close co-operation in terminal development, we ensure that future functionalities are integrated into the further development of the platform in due time.

**Maximum convenience**
- Thanks to its uniform graphical user interface, B-COMM impresses with its ease of operation.
- B-COMM allows easy integration of the terminals.
- B-COMM offers convenient installation and setup in any IT environment.
- B-COMM allows modules and software applications to be installed on different computers. Standardised interfaces guarantee easy integration into any application.
- B-COMM is generation-spanning: The platform makes it possible to operate different terminal generations in a system.

**Protected investment**
- B-COMM guarantees maximum investment protection: All terminal generations can be combined to a single application and controlled as such.
- B-COMM offers optimum cost control: Individual modules can be used to configure the platform in accordance with the up-to-date requirements for the desired solution. When requirements change, adaptations can be made quickly and at low cost.
- B-COMM is continually developed further as part of a customer-oriented release policy.

**Best service**
- **Kaba offers you the know-how:** For the comprehensive completion of your project, we offer you our know-how; you will benefit from our experience acquired in numerous installations.
- **Kaba gives you support during the entire project:** From the on-site inspection to the recommendation of organisational structures, the planning of project progresses, and the implementation of the project on schedule.
- **Kaba has the manpower that you need:** Our service engineers install the terminals of the subsystem, customise the system, and put the system into operation.
- **Kaba gives you continued support:** Your employees will be kept informed of the new technologies used in your company and trained in them as part of various offers of training courses.
- **You can rely on Kaba:** For the maintenance of your installations, we have service organisations all over the globe. Our well-trained engineers are available on site at guaranteed response times.