interface solution B-COMM IoT 90 70

B-COMM IoT 90 70 is a standalone micro PC with a low-maintenance, efficient Unix operating system on which B-COMM communication software is already pre-installed at the factory and pre-licensed. B-COMM IoT 90 70 is only connected to the network at the customer's premises and the AMQP universal interface means it can communicate in the cloud. After connecting the keyboard, mouse and screen to B-COMM IoT 90 70, the full range of B-COMM functions is available to the customer.

B-COMM communication software

B-COMM enables the fast and efficient management of time recording and access systems as well as related functional areas. B-COMM includes the creation and management of clients and communication channels, order processing and data exchange with partner applications. Partners program the interface to their application only once and can use it on different platforms.

Benefits at a glance

- dormakaba hardware can communicate to the cloud and can be connected to cloud-based software from the software partner.
- All current and older hardware (e.g. B-web, B-Net) from the dormakaba portfolio can be connected. Hardware installed at the customer's premises is reusable!
- Minimal installation and minimal IT effort for the customer, as the IoT Box is delivered preconfigured.
- As an appliance device, B-COMM IoT 90 70 eliminates the need to operate B-COMM on a local PC at the customer site.
- Even with the micro-PC, the well-known advantages of B-COMM are retained.
- B-COMM GUI can also be installed on local PCs to access the IoT Box on the network.

Components

B-COMM IoT 90 70 offers you the usual range of services from B-COMM. The following modules are available to you in the standard version:

- User administration
- User data communication
- Parameterisation software
- TerminalStatus
- E-mail server

Depending on the area of operation and application, you can add the following optional modules:

- CardLink
- Biometrics

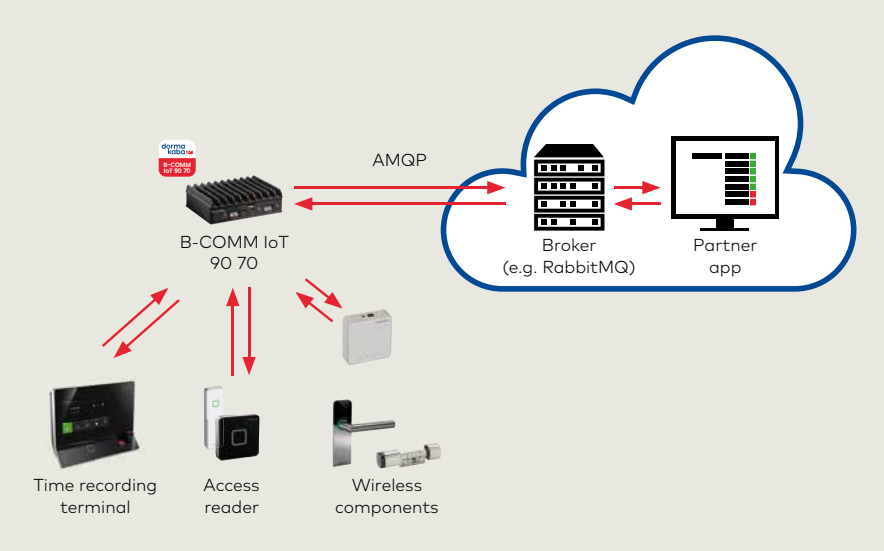
B-COMM server
The server makes all the objects and methods that are accessed by the other components via Remote Method Invocation (RMI) available. It also manages the complete configuration of the overall system and communicates with all components and the connected application. Communication to a cloud-based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

Configuration example
Connecting a B-COMM IoT 90 70 with a configured terminal system or access components to a cloud-based partner application using a broker. dormakaba recommends using RabbitMQ as the broker. The communication protocol used is AMQP.



Technical data B-COMM IoT 90 70
- Processor: Intel Apollo Lake
- Operating temperature: –40 °C to +85 °C
- Humidity: 5% to 95% (non-condensing)
- Dimensions: 112 x 84 x 34 mm (fanless)
- Weight: 350 g
- Connections: 4x USB (2x USB 3.0), line in/out, HDMI, miniDP, 2x LAN, microSD

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

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