


**KABA BIOMETRICS**


# Kaba biometric reader 91 50

With its up-to-date Kaba design the Kaba biometric reader 91 50 fits perfectly into modern access control solutions. It combines the established identification methods RFID and fingerprint with an easy to operate touch keypad. Through its compact and ergonomic design it integrates well into modern architecture. Existing Kaba installations with already enrolled finger templates can be easily extended with this reader. Existing cabling will not require modification. Connected to the access manager, the Kaba biometric reader guarantees a legally secure and unique person-based data collection.

## Identification

In identification mode, the template management integrated into B-COMM handles enrollment of finger templates as well as demand-driven distribution of the reference templates over several locations and company divisions. In this mode it can be used to secure the outer shell of buildings with template distribu-

tion via serial Subpartyline. Since badges are not used, this mode is also suited in areas such as the food industry, where cards and key tags are often forbidden, or in areas with a high fluctuation of personnel, in order to reduce the time and costs for card management.

## Verification

In verification mode, reference templates are copied to the badges by desktop reader. These badges are then carried by the users. A verification check of two characteristics (badge and finger) increases security, guarantees maximum data security and allows a virtually unlimited number of users. Places of use are access points with increased security requirements, in countries where a central storage of data is not permitted, and generally in addition to already existing badge-based systems.

## Your benefits at a glance

- > Biometric identification or verification (finger or ID comparison) and optional PIN code entry
- > Integrated LEGIC reader for biometric verification or alternative ID entry
- > Capacitive touch keypad for PIN or ID entries
- > High-quality biometric sensor guarantees quick and reliable detection
- > Automatic activation by proximity sensor for convenient operation
- > Easy system integration without modification of existing cabling through standard RS-485 interface and 24 V power supply
- > Meets protection class IP54

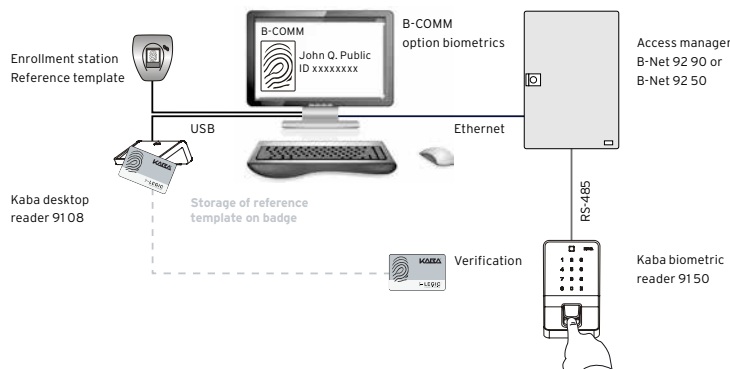
 **Made in Germany**

**Characteristics of the Kaba biometric reader 91 50**

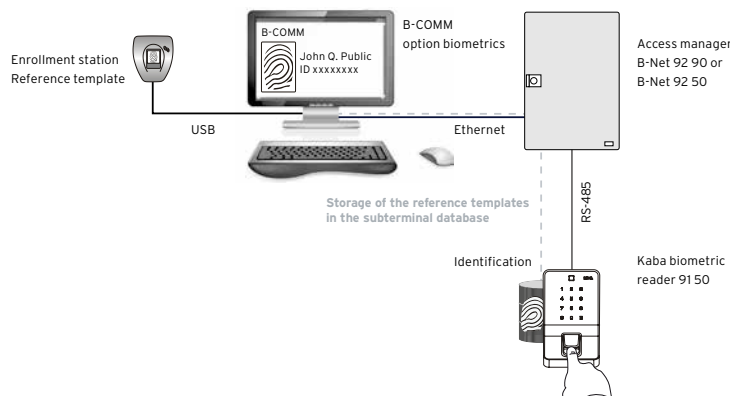
- > **Investment protection:** Compatibility with the B-Net and Bedanet series makes it possible for you to run mixed operations with Kaba systems already installed and any extensions.
- > **Operating modes:** Biometric identification or verification (finger or ID comparison) and optional PIN code entry.
- > **Sensor:** The fingerprint sensor used is the proven CBM module by MORPHO with a large scan window and excellent identification algorithm, which guarantees quick and dependable identification. An adjustable FAR (False Acceptance Rate) of up to 10<sup>-8</sup> guarantees high security. The sensor is dust and waterproof and resistant to electrostatic discharge (ESD).
- > **Versions:** In the standard version, 1,000 finger templates can be stored in the reader; up to 10,000 are possible as an option. To meet higher requirements a FIPS/FBI certified version of the reader is available. An optional, integrated LEGIC (prime/advant) reader guarantees maximum flexibility for biometric verification or alternative ID entry.
- > **User interface:** The operating and authorization statuses are signaled to the user via the illuminated Kaba RFID reader symbol and a buzzer. The automatic activation of the fingerprint sensor by a proximity sensor ensures intuitive and time-saving operation.
- > **Keypad:** The biometric reader is equipped with durable and wear-free capacitive keypad so that people with less defined biometric features can also enter their ID/personnel number for identification. The keypad also offers the option to enter a PIN code to increase security level, if required.

*The effective functions available of the product depend on the System context in which it is used.*

**Operating mode verification**



**Operating mode identification**



**Technical features**

**Power supply**

- > 24 V AC /DC via access manager or external power supply unit
- > Current consumption: maximum 150 mA with active sensor

**Interfaces**

- > RS -485: Serial subpartylene to connect to the B-Net 92 90 and B-Net 92 50 access managers.
- > I/Os: 2 digital inputs, e.g. for door monitoring, 1 relay output (30 V AC /DC ), vandal contact for detecting and reporting tampering attempts.

**Environment**

- > Ambient temperature: -15 °C to +50 °C, no direct sunlight
- > Relative humidity: 5 - 85 % non-condensing
- > Protection class according to IEC 60529: IP54 (Version for on wall cabling is IP30 only)

**Housing and installation**

- > Compact plastic housing for on-wall installation; concealed cabling
- > Optional version for on-wall cabling
- > Installation indoors or sheltered outdoor areas

**Dimensions (Width x Height x Depth)**

- > 85.5 x 152.5 x 70.5 mm (concealed cabling)
- > 85.5 x 152.5 x 77 mm (on-wall cabling)

