

Biometric identification with the subterminal B-Net® 91 05 FP



The B-Net 91 05 FP subterminal with its biometric fingerprint sensor for ID check is ideally suitable for access solutions. Its compact and flat design means that the subterminal can be easily integrated into modern architecture. Existing Kaba systems with finger templates that have already been enrolled can be easily extended with this subterminal. Connected to the B-Net 92 50 or B-Net 92 90 access manager, the B-Net 91 05 FP guarantees a legally compliant and unmistakable, person-related recording of data.

As no badges are needed, you save the costs for the badges and badge management. If RFID readers have already been installed, the B-Net 91 05 FP integrates itself seamlessly into the existing system and extends this by the biometrics on use of the existing cabling.

The biometric subterminal can be used to secure the outer skin of buildings as the templates are distributed via a serial interface and no Ethernet has to be installed at the outer skin.

As a basic principle, biometrics is particularly suited in areas such as the food industry, where cards and key tags are often unreliable or in areas with a high fluctuation of personnel, in order to reduce the time and costs for card management.

Your advantages at a glance

- High-quality optic biometric sensor guarantees quick and reliable detection
- Automatic activation by proximity sensor for convenient, quick and unmistakable operation
- Alternative entry of ID for persons who have less defined biometric characteristics
- Simple system integration into existing systems without additional cabling effort through standard RS-485 interface and 24V power supply
- The template management integrated into B-COMM Java allows demand-driven distribution over several locations and company divisions
- Protection class IP54 makes it also suitable for outdoor installation

Made in Germany
developed and produced
in Germany

Features

- **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.
- **Sensor:** As with the other Kaba terminals, the fingerprint sensor used is the proven SAGEM module with a large scan window 14 mm x 22 mm, which guarantees prompt and reliable identification. In its standard version, 500 persons can be stored in the reader; 3,000 or 5,000 persons are possible as an option. Identification is done in less than 1 second, irrespectively of the number of people. An adjustable FAR (False Acceptance Rate) of up to 1:100 million guarantees high reliability. The sensor is dust- and waterproof and unsusceptible to electrostatic discharge (ESD).
- **User guidance:** The operating status and authorization are signaled to the user via a tri-color light-emitting diode and an acoustic signal emitter. The automatic activation of the fingerprint sensor by a proximity sensor ensures simple and time-saving operation.
- **Keypad:** The subterminal is equipped with a robust PIN key pad with tactile response so that people with less defined biometric features can also enter their ID/personnel number for identification. The keypad also offers the option of increasing the security level, if needed, with a PIN code.
- **Interfaces/Integration:** In combination with the access manager B-Net 92 90 or B-Net 92 50 a serial subparty line (RS-485) ensures integration into the access control systems and the template distribution. A separate Ethernet interface in the unprotected area is not necessary for this.
- **I/Os:** 2 digital inputs that can be used, for instance, to monitor doors, and 1 relay output (30V AC/DC, 2A), whose function is freely configurable. Vandal contact for detecting and reporting tampering attempts.
- **Installation:** A weather protection roof permits outdoor installation, even at unprotected points. A separate housing is available for surface mounting. Stands are also available on request.

Technical features

Power supply

- 24 V AC/DC up to 20 m cable length via access manager or external power supply unit
- Power consumption: maximum 150 mA with 24V and active sensor

Environment

- Ambient temperature: -15°C to +50°C
no direct sunlight
- Relative humidity: 10 to 95% non-condensing
- Protection class according to IEC 60529: IP54

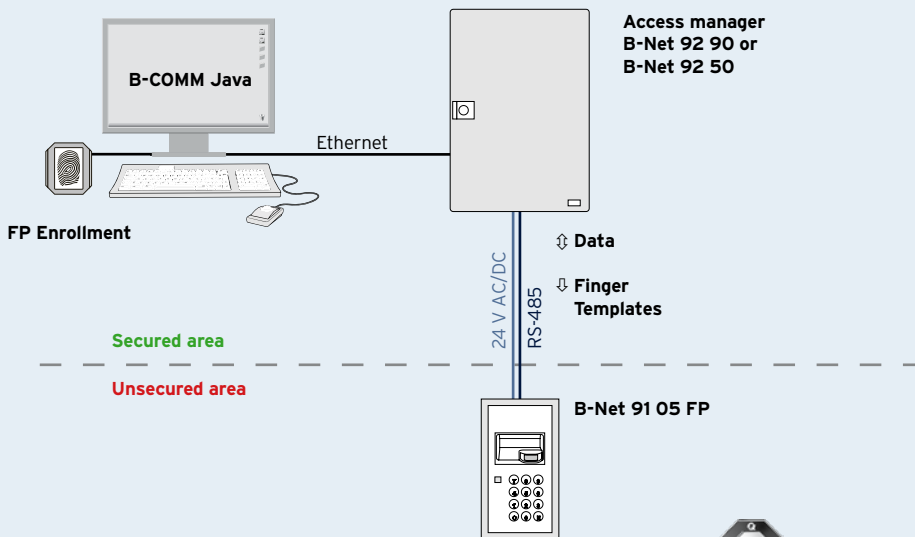
Housing

- Compact and sturdy plastic housing for flush-mounting (55 mm twin box according to DIN 49073-1)
- Integrated biometric sensor

Dimensions

- Width 83 mm
- Height 150 mm
- Depth 15 mm

Detailed dimensional drawings are available on our website for downloading.



Certification according to DIN EN ISO 9001



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