I.AM SERIES Identity Access Management

Fingerprint Key

AR402

OVERVIEW

From embedded biometric software to a flexible platform, the compact, outdoor-rated AR402 Fingerprint Key offers reliable biometrics and an extensive feature set to meet the needs of any customer. The Fingerprint Key is available in two memory configurations, supporting a wide number of users and access points. When used with Kaba's Access Manager 300 (AM300) and Door Unit 500 (AD500), the AR402 creates a comprehensive, low-cost biometric access control system that accommodates up to eight readers and 1,000 users or 500 finger template pairs per AM300. If access control requirements entail a large number of readers and users, the AR402 combined with Kaba's Access Manager 524 (AM524) and Door Unit (DU) supports up to 24 readers and 6,000 users or 3,000 finger pairs per AM524. With either configuration, the system offers three-factor authentication: biometrics, PIN code, and optional iCLASS® card.

Sealed in a sturdy IP65-listed enclosure, the AR402 Fingerprint Key comes standard with an illuminated sensor and touch-sensor keypad and operates in virtually any indoor or outdoor environment. Supporting the communication standards for access control readers, the AR402 Fingerprint Key can function with Kaba's embedded access control systems via RS485 as well as support third-party access control systems capable of decoding HID data formats via Wiegand.

The AR402 Fingerprint Key is very scalable and flexible and implements easily into any new or existing structure. When employed into a system, the AR402 supports fingerprint template distribution between readers, eliminating the need to enroll users at each reader. A user simply enrolls at any connected AR402, and the user's templates are automatically transferred to system readers along with their appropriate access rights. System configuration options include:

- **Kaba AM300 or AM524 with RS485 connection and AR402:** the Access Manager allows fingerprint template distribution and controls access rights.
- **Kaba AM300 or AM524 with RS485 connection, AR402, and Wiegand third-party access control system:** the Access Manager unit only controls fingerprint distribution – the third-party system manages the access rights. In this setup, the biometric reader passes the fingerprint up to the third-party system as a number, i.e., just like reading a card.

FEATURES

Status Indication Lights
- Four bi-color LEDs on top of the reader
- Audible indicators
- Guides user enrollment and operation
- Indicates fingerprint approval
- Multiple enrollment modes

Sensor Touch Keypad
- Extends the life of the keypad
- No moving parts
- Consistent detection
- LED backlight to optimize operation
- PIN length support for higher security

Optical Sensor
- Access granted in less than one second
- Template match occurs at the reader
- Multiple minutia point detection

Embedded Software
- Embedded biometric application
- No software downloads or installations required
- No computer or server required

Compact All-Weather Design
- IP65-listed enclosure
- Approved for indoor or outdoor use
- 4.5 x 2.5 x 2" (115 x 65 x 51 mm)
- Single gang mount

Template Storage and Transfer
- Stores 500 or 3,000 users
- Template distribution between readers (where applicable)

Versions
- Standalone or system configuration, including third-party systems
- Optional internal iCLASS card reader
- FIPS certified version available

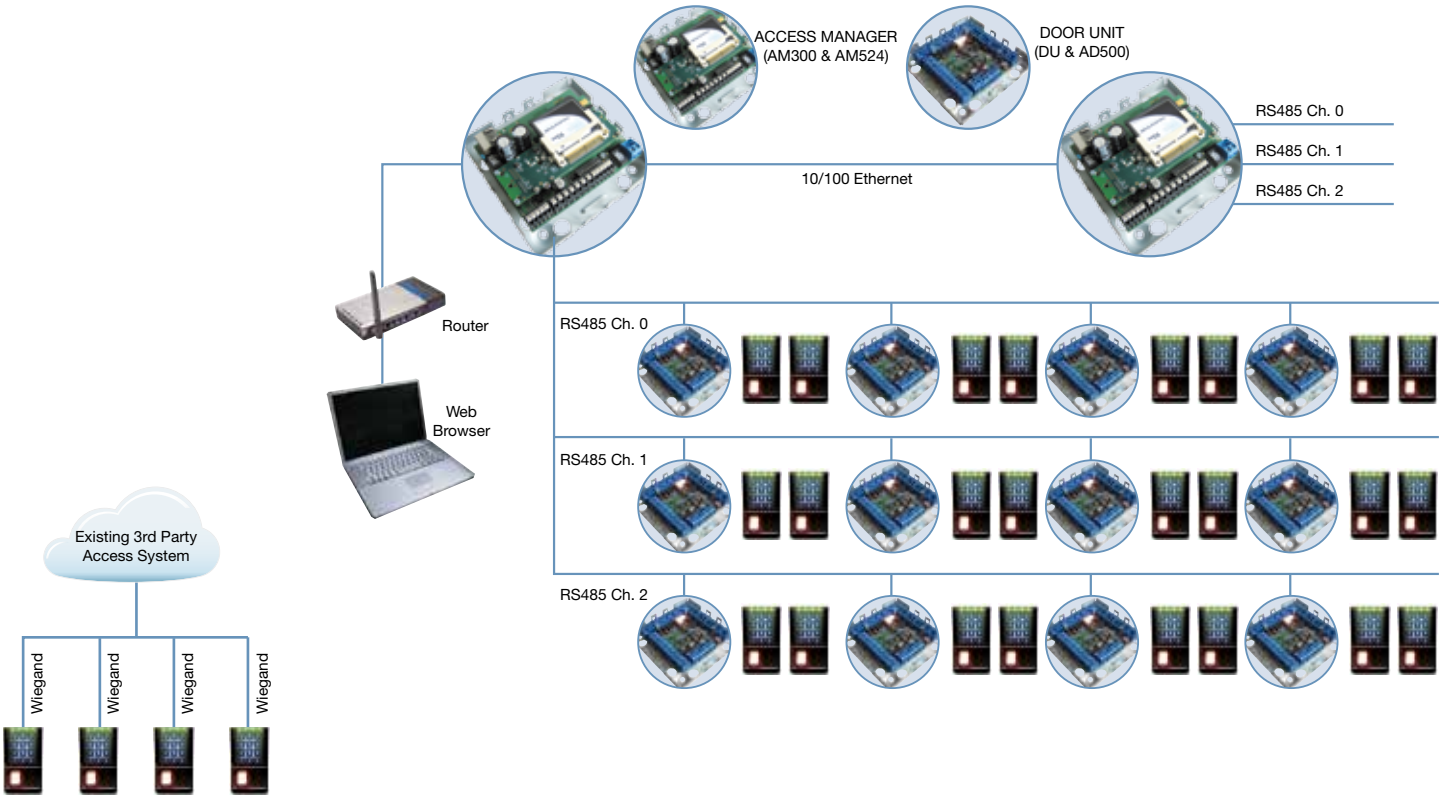
- **AR402 with iCLASS reader option, and third-party access control system:** the AR402 stores the fingerprint template and performs a "one-on-one" match using both the fingerprint stored on the card as well as the reader. This type of authentication enables the system to accommodate many users without the need for fingerprint template distribution hardware.

- **AR402, and third-party access control system:** The AR402 can also be used with a third-party system as a simple standalone reader. The AR402 enrolls and holds fingerprints locally at the reader; there is no fingerprint template distribution to other readers.

SPECIFICATIONS

Interfaces.....RS485 and Wiegand, tamper switch contact 24 V/0.1A
Power Supply.....12 to 24 VDC (24 VDC recommended) // Max.: 420 mA 12 VDC // Idle: 120 mA 12 VDC
Dimensions.....4.5 x 2.5 x 2" (115 x 65 x 51 mm); includes mounting plate
Packaged Weight ..... .81 lb. (367g)
Operating Temperature.....14 to 122 °F (-10 to 50 °C); no direct sunlight
Relative Humidity .....10 to 95%, non-condensing
Housing and Installation.....Flush cable mounting (30 cm or 11.8") with metal mounting plate
Indoors or in protected outdoor area
Hardware Options.....HID iCLASS RFID reader module
Biometric module versions: 500 or 3,000 finger templates and FIPS certified version

SYSTEM DIAGRAMS



CERTIFICATIONS

environmentally
friendly

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