

Biometric Terminal Kimaldi KBio Online



Access Control Online systems

- ③ Centralized management
- ③ TCP/IP and Wi-Fi communications
- ③ It enables to store up to 20,000 fingerprints



Kimaldi KBio Family

Biometric Access control terminal based on fingerprint identification:

- ④ Easy use and reliable device
- ④ Finger detection and auto-on
- ④ Stand-alone terminal and RS-232, TCP-IP, CAN and Wi-Fi connectivity available
- ④ Software and hardware easy integration, offering a reliable biometric technology system
- ④ Typical applications: access control to hotels room, retirement homes, camping sites, time&attendance, access to server's room, management centers, access to Data Processment Center's, etc.

TERMINAL KIMALDI KBIO ONLINE:

DESCRIPTION:

Acces control system with **biometric fingerprint identification**. Reliable and secure system. It prevents identity theft and badges or password duplication. Slightest installation and friendly use

On-line working mode is the most flexible model, because all its functionality is controlled by the host. Connection is required all the time. An event is received in host when a key is pressed, a digital input is changed or finger is detected on the biometric sensor. The result of the identification is also sent to the host. Host **communication** available RS-232, Wi-Fi or TCP/IP connectivity.

FEATURES:

- ③ High flexibility, because system's operating is controlled and monitorized by the host in real time and managed by the software. It requires permanent host communication.
- ③ Function keys, any change at the digital input, finger's detection and all data information transferred from the biometric reader is reported to the host in real time.
- ③ Usually the matching is done in PC, using Software Development Kit of the computer peripheral. After the identification of a registered person we can activate the relay that opens the door.
- ③ Software applications can be developed using OCX for VB, ASCII commands and Nitgen eNBSP (for matching and PC peripheral control)
- ③ Matching is done in the host (PC or similar), fingerprints number can be very high. For a standard PC with 5000 fingerprints, or expandable up to 20.000 fingerprints or more using eNSearch, the matching time is around one second.
- ③ Interfaces: RS-232, TCP/IP, CAN or Wi-Fi
- ③ Optionally, the KBio terminal can incorporate internally a proximity reader
- ③ Leds, beeper, digital input, TTL input port and relay output signal

There is as well an OEM version: it's possible to supply the electronic board, fingerprint sensor or others components separately.

Also available BioMax terminal, this is a very similar product with increased features (Display, pad number keyboard, more relays...)

TYPICAL APPLICATIONS:

It's especially right for applications with one or more nodes (TCP/IP, RS-232 or Wi-Fi) and a complete control from the software of the host is required. As well, it's recommended when there is a high number of users of been identified and you require low identification time

TECHNICAL SPECIFICATIONS:

Resolution	500 dpi
Fingerprints capacity	5000 fingerprints or expandable up to 20.000 fingerprints or more using eNSearch.
Average identification time	Approx. 2 seconds
Events	Yes
Enrollment	Using KBio biometric reader or PC peripheral
Keys	3 on-line keys
Leds	3
Acoustic indicator	Buzzer
Door's options	1 relay
	Opening time configurable
Digital inputs	1 digital input
Programming	OCX for VB programming and ASCII commands
Temperature range	-10 °C to 50 °C
Power supply	5 VDC
Size (mm)	112 x 170 x 56 mm
Weight	Approx. 450 gr.
Connectivity	RS-232, TCP/IP or Wi-Fi
Case	polystyrene