



MA-300

Product Description

MA-300 is a biometric access control terminal with an integrated proximity reader (EM). With a robust and elegant metal case design, it is one of the best and most complete terminals on the market. With the latest upgraded version of the ZK Fingerprint Sensor it ensures fast identification and long durability. It incorporates Ethernet connection for communication with computers and networks. It can be installed on standalone mode or as an external reader (wiegand) for another terminal or access control system. Additionally, it provides an audio prompt guide to register fingerprint or card. With its anti-vandalic metal casing and an IP Rating of IP54, this terminal is ideal for outdoor installation.

Standard functions



Optional functions



Features

- ✓ Advanced Access control (Time Zones and Access Groups).
- ✓ Incorporates high precision ZK Sensor for registering 10 fingerprints per user.
- ✓ Stores up to 1500 fingerprint templates and 10000 proximity card ID's.
- ✓ Stores up to 100.000 access registrations without PC download.
- ✓ Wiegand In/Out to connect with external reader or controller.
- ✓ Allows communication with PC through Ethernet.
- ✓ Includes USB host to download records.
- ✓ Relay for door, alarm and push button.
- ✓ Tamper-resistant switch and alarm output.
- ✓ Fingerprint registration and access guided by audio prompt.
- ✓ Integrated Proximity Reader (EM) facilitates access by fingerprint or card.
- ✓ IP54 Rating.



Specifications

Capacity

Fingerprint Capacity	1500
ID Card Capacity	10000
Log Capacity	100000

Hardware

Sensor	ZEM710
CPU	32 bit ZK6001 microprocessor 400MHz
Memory	32M RAM, 256M Flash
Sensor	ZK Optical Sensor
Proximity	ID card
Relay contacts	Lock control, Alarm, Sensor, Exit Button

Display

LED Indicator	Green / Red
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Environment

Oper. Temp	-10°-60°C
Oper. Humidity	20%-80%
IP Rating	IP54

Power

Power	12V, DC 3A
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Communication

Comm. Port	TCP/IP, RS485
Pen drive	USB Host
Wiegand	Output and Input

Fingerprint Algorithm

Type	ZK Finger 10.0
Identification	<= 2 seconds
Verification	< 1 second
FRR	< 1%
FAR	<= 0.0001%

Languages

Available	All European languages
Maximum	1
Voices	Allowed

Dimensions

Dimensions	73 x 148 x 34.5 mm (L x W x D)
Weight	1.15 kg

Firmware

OS	Linux
Applications	AC (groups and TZ)
SDK	Standard SDK

Connectivity diagram

