

# **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**



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

32M RAM, 256M Flash Memory Sensor **ZK Optical Sensor** 

Proximity ID card

Lock control, Alarm, Sensor, Exit Button Relay contacts

#### Display

LED Indicator Green / Red

#### Environment

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

#### Power

12V, DC 3A Power

### Communication

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

#### **Fingerprint Algorithm**

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

#### Languages

Available All European languages

Maximum 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**



