



## LA-2000

### Product Description

LA-2000 is a cutting edge access control and T&A terminal incorporated with the most advanced sensor in the world - Lumidigm Mercury multispectral sensor. One touch, that's all it takes – the fastest fingerprint-matching algorithm and multispectral sensor technology maintains its performance in almost any environment. The sensor technology can capture fingerprints in any weather condition like rain, snow, cold, dry, dusty or hot. High-quality images are captured by multispectral sensor even when fingerprint ridges are hard to distinguish due to genetics, age, dirt, finger placement or environmental conditions. Multispectral sensors protect against fake and spoof fingerprints by capturing detailed surface and deep tissue data. For access control, it allows time zones and groups and the relay can be connected to lock or external siren. LA2000 can connect to Time & Attendance management software by Ethernet or USB port but can also operate on standalone mode, downloading data by USB pendrive. Using the biometric industry's most advanced fingerprint technology, it is one of the most secure and accurate access control terminals on the market today.

#### Standard functions



#### Optional functions



## Features

- ✓ Time & Attendance and access control device
- ✓ Incorporates Lumidigm Mercury Sensor which takes the picture inside the skin.
- ✓ Best solution to use in factories where the employs can have damaged fingers
- ✓ Optionally can be installed with proximity reader EM, Mifare, HID, etc..
- ✓ Stores up to 30.000 users and 2.200 fingerprint templates.
- ✓ Stores up to 50.000 log records without PC download.
- ✓ Allows communication with PC through Ethernet and RS232/485
- ✓ Time zones, groups and holidays management for access control
- ✓ Events management (doctor, personal issues, etc...)
- ✓ Multi-language in text and audio

## Specifications

### Capacity

Fingerprint Capacity	2200
Logs Capacity	50000

### Hardware

Platform	ZEM500
CPU	32bit ZK6001 Microprocessor 400MHz
Memory	8M RAM, 32M Flash
Sensor	Lumidigm Mercury Sensor
Relay contact	electric lock, door sensor, exit button, alarm, Door Bell

### Display

LCD	B&W (4x4)
LED Indicator	Green / Red

### Environment

Oper. Temp	0°-45°C
Oper. Humidity	20%-80%

### Power

Power	12V, DC 3A
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### Communication

Comm. Port	Ethernet, RS232/485
Pen drive	USB Host
Wiegand	In&Out

### Fingerprint Algorithm

Identification	<=2 seconds
Verification	<=1second
FRR	< 1%
FAR	<=0.0001%

### Languages

Available	All European languages
Maximum	3
Voices	Allowed

### Keypad

Type	Standard Keypad 4x4
Function Keys	4

### Dimensions

Dimensions	107.4x229x101.1mm (L x W x D)
Weight	1.46kg

### Firmware

O.S	Linux
Applications	T&A, AC (groups and TZ)
SDK	Standard SDK

## Connectivity diagram

