

ZK – LA2000

Fingerprint Access Control



ZKSoftware
The Advanced Biometric Solution

AVI INFOSYS LLC
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Product Introduction

One touch:

That's all it takes to register access control with ZK Software's LA2000 biometric reader using multispectral sensor technology. LA2000 produces high-quality images every time, in all conditions. Everyone can be enrolled. Everyone can be verified.

Reliability:

ZK's fastest fingerprint-matching algorithm and multispectral sensor technology maintains its performance in any environment; 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.

LA2000 can easily enroll and verify ALL people – including that 2-5% of the population with “problem fingerprints” that thwart conventional sensors. LA2000 greatly reduces management hassles along with end-user frustration.

Spoof detection:

Multispectral sensors protect against fake and spoof fingerprints by capturing detailed surface and deep tissue data. Using the biometric industry's best spoof detection technology, we provide the most secure and accurate reader available.

Options:

Installation options offer the flexibility to use the reader standalone or with any third party panel that supports 26-bit or custom Wiegand. Performance, reliability and affordability give LA2000 the competitive edge. Other features offered include internal generic Prox, Mifare or HID card reader, connection for external card reader, and USB port for off-line access.

Put the power of innovation to work for you!

ZK Software – your single source for superior, affordable, and reliable biometric and RFID readers

Quick Facts

- Perfect verification using Lumidigm multispectral image sensor
- Industries best spoof detection technology
- Almost everyone can be enrolled and verified
- Works in any environment-rain, snow, cold, dry, dusty or hot.
- 1-touch employee recognition.
- No need to enter PINs
- Wiegand protocol
- Compatible with other access control system using the Wiegand protocol
- Template storage of 1500/5000
- Supports 50 times zones, 5 groups and 10 unlock combinations
- Tamper proof switch and alarm outputs
- Request-to-exit and alarm contacts
- Operates stand-alone without a computer
- Audio-Visual indications for acceptance & rejection of valid and invalid fingerprints
- SDK available for OEM customers and software developers.

Technical Specification

Templates	:	1500 expandable to 5000
Transactions	:	50000
Verification/Identification		
Matching	:	1:N up to 1000 templates or 1:1 upto 5000 template
Verification	:	1.5 seconds
Identification	:	3 seconds
FRR	:	≤1%
FAR	:	≤0.0001%
Display		
LCD	:	4 lines 16 character backlit LCD Display
Environment		
Operating Temperature	:	-20°- 70° C (-4° - 158°F)
Communication		
Port	:	RS 232/RS 484 Ethernet 10/100 26/34/37 bit Wiegand Output Wiegand Input

	USB
Power	
Oper Voltage:	: 12V DC
Idle current	: 500mA
Operating current	: 800mA
Relay Output	: 12V DC, 2A
Dimension	: 226(L) X 101(W) X 110(H) mm 8.9(L) X 4(W) X 4.33 (H) Inches
Option	
Proximity reader	: Mifare reader
HID reader	: 1GB USB Drive

Standalone Configuration



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