



Advanced Biometric and RFID Solutions  
for Access Control



# Out of seven billion people on earth, no two fingerprints or faces are the same.

ZK Technology is a leading global developer of security and time management solutions. ZK Technology is subdivided in 5 distinct business segment/divisions which are known as: ZK Technology, ZK Access, ZK Vision, ZK Biolock and ZK AFIS. Each ZK Technology division has dedicated team of experts and professionals to serve our customers and partners worldwide.

ZK Technology has over 1,250 employees at its R&D/Manufacturing facility in China along with branch offices/subsidiaries in USA, Spain, Brazil, South Africa, Dubai, Indonesia, Mexico, Thailand and India. Our global offices further enhance our ability to provide local product/logistic support, and service our customers/partners more effectively and efficiently.

Companies integrate their applications with ZK readers to efficiently and effortlessly manage time, money, materials, people and physical access to sensitive areas. ZK Technology's Time & Attendance and Access Control Readers are relied upon to enhance crowd control at concerts, bolster security at airports, track student meal purchases and do so much more.



over five million units sold...  
...serving customers in 160 countries

## Why ZK Technology?

- 75 patents earned for innovation
- One of the fastest face and finger matching algorithms
- Quick production turnaround times
- ISO-9001 one-stop all in-house manufacturing facility
- Over 1,250 employees strong
- Volume discounts on components = savings for you
- Over 5 million units sold
- Global branch offices/subsidiaries in USA, Europe, Brazil, Dubai, Mexico, Thailand, Indonesia and India

ZK Technology boasts one of the fastest commercial fingerprint matching and facial recognition algorithms in the market today, with lightening fast verification in less than two seconds and support for up to 20,000 users.

## Preferred Partner for Software Developers, Integrators and Dealers

As one of the largest providers in the world, we've earned a reputation for technical innovation, quality, speed-to-market and reliability. These are just a few reasons why ZK Technology is the reader manufacturer of choice for so many OEMs, software developers, integrators, distributors and dealers worldwide.

## Manufacturing Process

The breadth of our services makes ZKTechnology your “one stop” partner. Because we do everything in-house, and have over 1,250 employees dedicated to the custom design and delivery of readers, response times are much faster than competitors. In fact, we can produce a customized new reader in less than six months—including design, molding and testing!

At our state-of-the-art 500,000 square foot ISO-9001-certified manufacturing facility, we control R&D, manufacturing, product design, component assembly and logistics/shipping—all under one roof. ZKTechnology can integrate everything to meet your specific reader requirements, plus provide multi-platform integration. Join thousands of other OEMs and distributors who rely on ZKTechnology as your long-term technology and manufacturing partner.

## U.S. Warehouse & Showroom

ZKTechnology’s U.S. subsidiary designs specialized products for specific markets, and provides local customer support to our English and Spanish speaking customers throughout the world. Our U.S. facility includes a large global showroom and warehouse.

one of the fastest  
fingerprint-matching algorithms...  
...75 patents earned

## Factory Tour

Check out our modern manufacturing facility to see why ZKTechnology is your single source for superior, affordable and reliable advanced biometric and RFID readers.



1,250 employees strong...

...500,000 square foot manufacturing facility



C3-100



C3-200



C3-400

## C3 IP-Based Door Access Controller

State of the art 1, 2 and 4 door panels...

...web-based management software



### Choice of Readers:

Full range of card readers supported. ZK KR-Series readers are stylish and waterproof. C3 supports any wiegand-output reader, including HID Prox, iClass, and XceedID Multi-Technology. Can also support PIV-II card readers for FIPS-201 Government applications.



### Door Control and More:

Along with relay contacts for controlling door locks, easily programmable auxiliary relays can be used for additional control and interface to lights, alarms, annunciators, intrusion detection panels, or even extra locking devices or gate controllers.



### Communication:

C3 controllers install easily on your network and support both TCP/IP and RS-485 communication. Auto-discovery tool allows setting and modification of network parameters directly and easily.



### Options:

C3 controllers come in three sizes to suit project needs and reduce the cost of unused capacity. 1-door, 2-door, and 4-door models can be mixed and matched in an optimized system architecture.



### Lowest Total Cost of Ownership:

C3 controller firmware can be upgraded in the field. New controller features can be loaded without any advanced tools, extending and expanding the value of your investment.



### Advanced Access Control Built-In:

Anti-Passback, First-Card Opening, Multi-Card Opening, Duress Password Entry, and Auxiliary Input/Output Linkages are built into controller firmware.



### Capacity:

Supports up to 30,000 badge users and stores up to 100,000 events and transactions. Controller is backed up in real-time in on-board optional SD card. Data is preserved if power is lost. Controller continues to operate if network connection is interrupted.



### For Software Developers:

Free SDK is available for integrators and OEM's to integrate the C3 controllers with their or existing security or personnel management applications. Upon request, ZK can also customize C3 firmware to meet any custom requirements.



InBio 160



InBio 260



InBio 460

# InBio IP-Based Biometric Door Access Controller

Advanced access control panels...  
with built in biometric fingerprint matching algorithm



### Truly Internal Biometric Identification:

InBio carries out the matching of fingerprints on the panels. The FR Series of readers transmit fingerprint templates to InBio via RS-485 for fast and accurate matching with templates stored in data-base. Wiegand inputs are also provided for traditional RFID readers.



### Door Control and More:

Along with relay contacts for controlling door locks, easily programmable auxiliary relays can be used for additional control and interface to lights, alarms, annunciators, intrusion detection panels, or even extra locking devices or gate controllers.



### Communication:

InBio controllers install easily on your network and support both TCP/IP and RS-485 communication. Auto-discovery tool allows setting and modification of network parameters directly and easily.



### Options:

InBio controllers come in three sizes to suit project needs and reduce the cost of unused capacity. Single-door, 2-door, and 4-door models can be mixed and matched in an optimized system architecture.



### Lowest Total Cost of Ownership:

InBio controller firmware can be upgraded in the field. New controller features can be loaded without any advanced tools, extending and expanding the value of your investment.



### Advanced Access Control Built-In:

Anti-Passback, First-Card Opening, Multi-Card Opening, Duress Password Entry, and Auxiliary Input/Output Linkages are built into controller firmware.



### Capacity:

Stores up to 3,000 fingerprint templates, 30,000 card users, and up to 100,000 events and transactions. Controller is backed up in real-time in on-board SD card. Data is preserved if power is lost. InBio continues to operate if network connection is interrupted.



### For Software Developers:

Free SDK is available for integrators and OEM's to integrate the InBio controllers with their or existing security or personnel management applications. Upon request, ZK can also customize InBio firmware to meet any custom requirements.



TF1700



F18



F6



VF300

## Standalone Biometric and RFID Reader Controllers

Modern, accurate and affordable...

standalone fingerprint, facial and RFID readers



### Unsurpassed Biometric Performance:

Reliable, durable, and highly accurate, ZK's fingerprint matching algorithm Ver. 10.0 provides less than 1 second user recognition and an ultra-low false read rate.



### Wide Array of Form and Function:

Models with color TFT or black and white LCD displays; integral card readers and PIN keypads; built-in Wiegand interface ports; USB ports for backups and logs, TCP/IP and RS-485 communications.



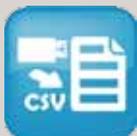
### Communication:

TCP/IP communication allows management control of doors over Ethernet networks and the internet. RS-485 ports allow PC-based access to reader controller in local networks. Wiegand port allows connection of reader to any third party access control panel.



### Options:

Internal Proximity or Mifare card readers for multi-mode authentication; embedded web servers for complete management via standard browser with no special software; Waterproof model (TF1700) for outdoor use and extra durability.



### Easy Operation and Management:

Works without computer. Complete setup and programming can be done via keypads and embedded firmware. Audio-Visual indication for acceptance and rejection of valid/invalid fingers.



### Full Access Control Built-in:

Relay outputs for electric lock and alarm. Inputs for door status sensor and exit switch. Supports multiple time zones and personal groups for programming valid entry zones. Anti-Passback and DLST built-in.



### Capacity:

Depending on model: up to 8,000 fingerprints, up to 30,000 cards and up to 50,000 events.



### For Software Developers:

Free SDK is available for software developers and OEM's to develop applications within their own 3rd party security platform.

## Wide variety of features to satisfy any customer's requirement...

**Algorithm:** one of the fastest fingerprint-and facial-matching algorithms available, with identification in less than two seconds

**Communications:** multiple communication options including TCP/IP, RS-232/485, USB Host and USB Client, Wi-Fi and GPRS, depending on model

**Screen Options:** intuitive, user-friendly color and monochrome screens available in various sizes ranging from 2.5 to 4.3 inches

**Sensor Options:** sensor options such as ZK Optical Sensor, Secugen's Optical Sensor and Lumidigm Mercury

**Development Platform & Tools:** easy integration via SDK, open development platforms such as Linux and firmware customization available upon request

**Access Control Features:** relay contacts for alarm, wired door bell, exit switch, exit reader, Weigand-out, Weigand-in

**ID Card Options:** integrated 125KHz PROX, HID Prox, Mifare, HID iClass

**Localization:** all ZK Technology products are multi-lingual and can currently be localized in 18 different languages.

## Variety of readers

... can be easily customized for any application



US700



FR1200



SC403



F707



MB700

## Optional Accesories



Lock



RS-485 Converter



K1-1



KR102



Key Fob



POE Injector



Thick Prox Card



KR100



KR200



ZKAccess, your trusted global partner  
for fast, reliable and affordable biometric  
and RFID security solutions!

## ZKAccess

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