



Fingerprint



FT & Card

Controller

Logical Access Model

FingerTec logical access fingerprint readers (OFIS) are designed to work with our single sign on enterprise software application and SDKs. Their complimentary OFIS Gateway software enables a quick and safe way to use fingerprints for PC login authentication. OFIS TA for time attendance system is available for purchase.



SPECIFICATIONS

MODEL	OFIS-Y
ALGORITHM	BioBridge VX 9.0 / VX 10.0
SUPPORTING OS	32/64-bit Windows XP, Windows Vista, Windows 7, Windows 8, Windows Server 2008
PIXEL RESOLUTION	512 dpi (average x, y over the scanning area)
SCAN CAPTURE AREA	15 mm x 18 mm
SCAN DATA	8-bit grayscale (256 levels of gray)
READER SIZE (APPROXIMATE) (L X W X H), MM	45 x 78 x 40
COMPATIBILITY	USB 1.0, 1.1 and 2.0 (full speed) specifications
OS/BROWSER	MS Windows/ MS Internet Explorer (IE 9)
POWER SUPPLY	5.0V +/- 0.25V USB supply
OPERATING TEMPERATURE (°C)	0 – 55
OPERATING HUMIDITY (%)	20 – 80 non-condensing
STANDARD FCC CLASS	FCC Class B, CE, USB
USAGE	Indoor, home and office use

FEATURES

- Small form factor
- Excellent scan quality
- Encrypted fingerprint data
- Latent print rejection
- Counterfeit finger rejection
- Rotation invariant
 - Recognize dry, moist, or rough fingerprints
 - Compatible with FingerTec's standalone readers and software products
 - Compatible with: Windows XP, Windows Vista, Windows 7, Windows 8, Windows Server 2003, Windows Server 2008

APPLICATIONS

- Desktop computer security
- Registration station for users
- Mobile PCs
- Custom applications
- Home and office use

Simple Door Access Model

FingerTec non-communicative readers are simple plug-and-play door access terminals that require no additional software to function. Offering fingerprint, card and/or password, these independent readers are suitable for small businesses and homes.



SPECIFICATIONS

MODEL	H3i
SURFACE FINISHING	Acrylonitrile butadiene styrene (ABS)
TYPE OF SCANNER	Optical fingerprint scanner
MICROPROCESSOR	400 MHz
MEMORY	32 MB flash memory
ALGORITHM	BioBridge VX 10.0 only
DIMENSION (L X W X H), mm	88 x 25 x 88
STORAGE	
• Fingerprint templates	200
• Cards	500
• Passwords	8 sets
• Transactions	30000
ENROLLMENT & VERIFICATION	
• Methods	Fingerprint (1:1, 1:N), card or password
• Recommended fingerprint per user ID	1
• Fingerprint placement	Any angle
• Password length (digits)	Max 4
• Verification time (sec)	< 1
• FAR (%)	< 0.0001
• FRR (%)	< 1
CARD TECHNOLOGY	
• RFID: 64-bit, 125kHz	Yes
• MIFARE: MF1550/S70, 13.56MHz	Made to order
OPERATING ENVIRONMENT	
• Temperature (°C)	0 – 45
• Humidity (%)	20 – 80
• Power input	DC 12V 3A
ACCESS CONTROL	
• EM lock driving output	DC 12V/relay output
• Alarm output	NO only
• Door sensor	Yes (NO/NC)
GROUP VERIFY TYPE	
• Password only	Yes
• Card only	Yes
• Fingerprint only	Yes
• Fingerprint, card or password	Yes
• Card and password	Yes
• Fingerprint and password	Yes

Security Hub for Smart Control

The FingerTec controllers, Ingressus I and II, provides access control functions for 1 and 2-door environments respectively. Combine them with our slave readers and accessories for an economical and flexible solution. Ingressus comes complimentary with Ingress, the advanced access control software.



SPECIFICATIONS

MODEL	Ingressus I	Ingressus II
BASIC		
• Dimension (mm)	186 x 36 x 106	186 x 36 x 106
• Power input	12V DC	12V DC
• Operating temperature (°C)	0 to 45	0 to 45
• Operating humidity (%)	20 to 80	20 to 80
• CPU	32-bit, 400MHz	32-bit, 400MHz
• Flash memory (MB)	128	128
• SDRAM (MB)	32	32
• Polarity protection	Yes	Yes
STORAGE		
• Fingerprints	3000	3000
• Cards	30000	30000
• Passwords	30000	30000
• Transactions	100000	100000
COMMUNICATIONS		
• Communications with server	TCP/IP, RS485	TCP/IP, RS485
• Quantity of terminal	2	4
• Communication with terminals	2 x 26-bit wiegand input. Each for 1 slave terminal. (1 x RS485 input to support RS485 network -max 2 units)	4 x 26-bit wiegand input. Each for 1 slave terminal. (1 x RS485 input to support RS485 network -max 4 units)
INPUT		
• Push release button	1	2
• Door sensor	1	2
• AUX (%)	1	2
• Types of AUX input supported	Motion & passive DIR detector, curtain passive infrared pet & immunity PIR detector, two-beam digital active infrared detector, heat detector	
OUTPUT		
• Door lock (12VDC 10A Form C relay)	1	2
• AUX output (30VDC 2A Form C relay)	1	2
• Types of AUX output supported	Gas detector and compatible sensors, Piezo strobe siren, electronic siren	
ACCESS CONTROL		
• Door opening time (sec)	0 to 999	0 to 999
• Inter-locking	X	Yes
• Anti passback	Local only	Local only
• Multi card unlocking	Yes	Yes
• First card unlocking	Yes	Yes
• Time zone	50	50
• Holiday time zone	Yes	Yes
• Permanent door release/lock time zone	Yes	Yes
• Day light saving time zone	Yes	Yes
• Continuous verification of users	Yes	Yes
SECURITY FEATURES		
• Door force open alarm	Yes	Yes
• Door open time out alarm	Yes	Yes
• Fire linkage	Yes	Yes
• Duress alarm	Yes	Yes
• Door status and event	51 types	51 types



FingerTec SA, conceived in 2005, is a dynamic fingerprint technology company specializing in providing quality and state-of-the-art biometrics solutions to the South African market. FingerTec SA strongly believes in the importance of understanding customer needs and desires; continuously strives to ensure that these expectations are met. Excellent after sales service distinguishes FingerTec SA from the other rival companies.

FingerTec SA has exclusive distribution rights to the FingerTec brand of products in South Africa. FingerTec SA is based in Johannesburg and have spread the biometrics technology to many other places nationwide including in African countries. FingerTec SA carries a wide range of biometrics time attendance and door access products that are designed to meet your professional and personal needs.

With more than 10 years of experience in the biometric technology field, FingerTec SA has managed to build solid relationships with large multinational corporations and small to medium sized enterprises. FingerTec SA's staff are enthusiastic, vibrant and professional experts who are willing to go the extra mile to satisfy the clients' needs.

Well known existing customers:



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www.fingertec.co.za

Beyond Biometrics

Fingerprint, face & card systems for time attendance, access control & online identification



Complete Online Resources
For Superb Products
www.fingertec.com/microsites



The brand FingerTec was born in 2000, with a visionary objective of bringing the then high-tech fingerprint technology normally used by government sectors into a technology that is viable, affordable and reachable by the mass commercial market. Its first 5-year plan was dedicated to the R&D incubation, mainly targeted in improving the fingerprint matching algorithm, the product's robustness and user-friendliness; in short to provide fundamentals for the brand to soar high when it was launched. Within those 5 years, FingerTec had won 3 international awards as recognition for its technology advancement.

In 2005, FingerTec embarked on the next 5-year plan, which focused more on worldwide market expansion. The plan deployed new branding concepts and strategies, which included product D-I-Y and Internet support & marketing, while continuing its efforts to improve the R&D. The result was stunning; it elevated FingerTec as one of the most recognized biometric brands in the world in a short period of time. With all the above-mentioned elements, FingerTec managed to spread its wings fast and far, doubling its sales every year with its product presence in around 100 countries within these five years.

To further strengthen FingerTec's global position, the third phase of the 5-year plan was introduced in 2010 with a transparent objective to achieve business and technology transformation. We aim to climb the vertical ladder to provide comprehensive solutions for the access control market, and to employ cloud-computing technology for deployment in the time attendance industry. The use of the Android platform and other biometric features such as face and vein recognition would be a part of the FingerTec technology transformation plan to enhance our new product lines.

Beginning with a vision, followed by simple yet viable plans and a smooth execution, FingerTec has started a remarkable revolution, changing the unreachable technology to the state-of-the-art "touchable" products much faster than its rivals, setting a new benchmark for the biometric industry.



You can request marketing DVDs from us. Email your request to info@fingertec.com
Available DVD:
• Marketing Material
• Sales & Product Presentation and Technical Training Kit



Time Attendance Model

FingerTec time attendance biometric models are ideal for most companies that are looking to track, monitor, and analyze staff attendance effectively. Sturdy in design, all the models come with a complimentary copy of the comprehensive attendance software, *TCMS V2*, or it can be used with the changeable applications, *TimeTec Web* and *TimeTec Cloud*, for more elaborate and extensive management features.



SPECIFICATIONS		
MODEL	TA300	TA100C
SURFACE FINISHING	Acrylonitrile butadiene styrene (ABS)	
TYPE OF SCANNER	Optical fingerprint scanner	
MICROPROCESSOR	400 MHz	
MEMORY	8 MB flash memory & 256 MB flash memory & 32 MB SDRAM	
ALGORITHM	BioBridge VX 9.0 / VX 10.0	
DIMENSION (L X W X H), mm	160 x 120 x 127	190 x 52 x 140
STORAGE		
• Fingerprint templates	1500	10000
• Transactions	50000	200000
ENROLLMENT & VERIFICATION		
• Methods	Fingerprint (1:1, 1:N) & password <i>(Optional RFID Card)</i>	
• Recommended fingerprint per user ID	2	
• Fingerprint placement	Any angle	
• Verification time (sec)	< 1	
• FAR (%)	< 0.0001	
• FRR (%)	< 1	
CARD TECHNOLOGY		
• RFID: 64-bit, 125kHz	Made to order	Yes <i>(TA100C-R only)</i>
• MIFARE: MF1S50/S70, 13.56MHz	Made to order	Made to order <i>(TA100C-MF only)</i>
• HID: HID 1325, 26-bit, 125kHz	Made to order	Made to order <i>(TA100C-HID only)</i>
COMMUNICATIONS		
• Method	USB cable / connection	TCP/IP, RS232, RS485, USB disk <i>(Optional WIFI & GPRS)</i>
• Baud rates	X	9600~115200
OPERATING ENVIRONMENT		
• Temperature (°C)	0 ~ 45	
• Humidity (%)	20 ~ 80	
• Power input	DC 5V 800mA	DC 5V 2A
TIME ATTENDANCE		
• Siren	X	Built-in and external
• Work codes	X	Yes
MULTIMEDIA		
• Voice	Yes	Yes
• Display	Black and white	3.0" 65k color TFT screen
• Short messaging	X	Yes
• Music playback	X	X
• Movie playback	X	X
• Internal backup battery	X	X
ACCESS CONTROL		
• Music playback	X	
• Movie playback	X	
• Internal backup battery	Yes (DC5V 1300mAh)	X

For voice/display languages, each model supports a maximum of 3 languages preloaded from a choice of up to 20 different languages. Please refer to www.fingertec.com for details.

Access Control & Time Attendance Model

FingerTec access control devices are specifically made to manage door accessibilities at your work or home area. These access control models are able to support fingerprint, card, password, or any combination of the three methods as a means of controlling access in a secured area. All FingerTec access control and time attendance models come with a complimentary copy of the powerful *Ingress* software to implement a more advanced access control system. *Ingress* can also be substituted with the *TCMS V2* software for customers that mainly require time attendance functions.



SPECIFICATIONS				
MODEL	R2	R2c (Slave)	H2i	Q2i
SURFACE FINISHING	Acrylonitrile butadiene styrene (ABS)	Acrylonitrile butadiene styrene (ABS)	Acrylonitrile butadiene styrene (ABS)	Acrylonitrile butadiene styrene (ABS)
TYPE OF SCANNER	Optical fingerprint scanner	Optical fingerprint scanner	Optical fingerprint scanner	Optical fingerprint scanner
MICROPROCESSOR	400 MHz	Managed by master	300 MHz	800 MHz
MEMORY	128 MB flash memory & 32 MB SDRAM	Managed by master	256 MB flash memory & 32 MB SDRAM	256 MB flash memory & 64 MB SDRAM
ALGORITHM	BioBridge VX 9.0 / VX 10.0	Supports BioBridge VX 10.0	BioBridge VX 9.0 / VX 10.0	BioBridge VX 9.0 / VX 10.0
DIMENSION (L X W X H), mm	94 x 50 x 189	64 x 42 x 135	78 x 50 x 150	200 x 56 x 160
STORAGE				
• Fingerprint templates	3000	Storage in master terminal	1500	10000
• Transactions	120000	Storage in master terminal	100000	200000
ENROLLMENT & VERIFICATION				
• Methods	Fingerprint (1:1, 1:N), card & ssword	Fingerprint (1:N) & card	Fingerprint & card	Fingerprint (1:1, 1:N), card & password
• Recommended fingerprint per user ID	2	Managed by master	2	2
• Fingerprint placement	Any angle	Any angle	Any angle	Any angle
• Verification time (sec)	< 1	Managed by master	< 1	< 1
• FAR (%)	< 0.0001	Managed by master	< 0.0001	< 0.0001
• FRR (%)	< 1	Managed by master	< 1	< 1
CARD TECHNOLOGY				
• RFID: 64-bit, 125kHz	Yes	Yes	Yes	Yes
• MIFARE: MF1S50/S70, 13.56MHz	Made to order	Made to order	Made to order	Made to order
• HID: HID 1325, 26-bit, 125kHz	Made to order	X	Made to order	Made to order
COMMUNICATIONS				
• Method	TCP/IP, RS232, RS485, USB disk	RS485	TCP/IP, RS485, USB disk	TCP/IP, RS232, RS485, USB disk <i>(Optional WIFI, GPRS)</i>
• Baud rates	9600~115200	X	9600~115200	9600~115200
• Wiegand	26-bit input/output	X	26-bit input/output	26-bit input/output
OPERATING ENVIRONMENT				
• Temperature (°C)	0 ~ 45	0 ~ 45	0 ~ 45	0 ~ 45
• Humidity (%)	20 ~ 80	20 ~ 80	20 ~ 80	20 ~ 80
• Power input	DC 12V 3A	Managed by master	DC 12V 3A	DC 12V 3A
TIME ATTENDANCE				
• Siren	X	X	X	Built-in <i>(Optional External)</i>
• Work codes	Yes	X	X	Yes
MULTIMEDIA				
• Voice	Yes	X	Yes	Yes
• Display	Black and white	X	X	3.5" 65k color TFT screen
• Short messaging	Yes	X	X	Yes
• Music playback	X	X	X	X
• Movie playback	X	X	X	X
• Internal backup battery	X	X	X	X
ACCESS CONTROL				
• EM lock driving output	DC 12V 3A / relay output	Managed by master	DC 12V 3A / relay output	DC 12V 3A / relay output
• Alarm output	NO/NC	Managed by master	NO/NC	NO/NC
• Anti passback	X	Managed by master	Yes	Yes

Access Control & Time Attendance Model

FingerTec card technology models use practical, convenient tokens during verification for time attendance and door access control. RFID is the default technology employed, but Mifare and HID technologies are available upon request. Mix and match between models for a cost effective solution. Save even more with the advanced door access software, *Ingress*, complimentary with the models.



SPECIFICATIONS			
MODEL	Kadex	i-Kadex (Slave)	k-Kadex (Slave)
SURFACE FINISHING	Acrylonitrile butadiene styrene (ABS)	Polycarbonate	Acrylonitrile butadiene styrene (ABS)
MICROPROCESSOR	400 MHz	Managed by master	Managed by master
MEMORY	8 MB flash memory & 32 MB SDRAM	Managed by master	Managed by master
ALGORITHM	BioBridge VX 9.0	Managed by master	Managed by master
DIMENSION (L X W X H), mm	92 x 49 x 137	55 x 15 x 100	75 x 20 x 115
STORAGE			
• Cards	30000	Storage in master	Storage in master
• Transactions	50000	Storage in master	Storage in master
ENROLLMENT & VERIFICATION			
• Methods	Card or password	Card	Card or Password
• Card per user ID	1	Managed by master	Managed by master
• Reading distance, mm	40 ~ 80 (RFID, HID), 30 ~ 50 (Mifare)	40 ~ 80 (RFID, HID), 30 ~ 50 (Mifare)	40 ~ 80 (RFID, HID), 30 ~ 50 (Mifare)
• Verification time (sec)	< 1	Managed by master	Managed by master
CARD TECHNOLOGY			
• RFID: 64-bit, 125kHz	Yes	Yes	Yes
• MIFARE: MF1S50/S70, 13.56MHz	Made to order	Made to order	Made to order
• HID: HID 1325, 26-bit, 125kHz	Made to order	X	X
COMMUNICATIONS			
• Method	TCP/IP, RS232, RS485, USB disk	Wiegand	Wiegand
• Baud rates	9600 ~ 115200	X	X
• Wiegand	26-bit input/output	26-bit output	26-bit output
OPERATING ENVIRONMENT			
• Temperature (°C)	0 ~ 45	-10 ~ 70	-10 ~ 70
• Humidity (%)	20 ~ 80	20 ~ 80	20 ~ 80
• Power input	DC 5V 2A	DC 12V 1A	DC 12V 1A
TIME ATTENDANCE			
• Siren	X	X	X
• Work codes	Yes	X	X
MULTIMEDIA			
• Voice	Yes	X	X
• Display	Black and white	X	X
• Short messaging	Yes	X	X
• Music playback	X	X	X
• Movie playback	X	X	X
• Internal backup battery	X	X	X
ACCESS CONTROL			
• EM lock driving output	DC 12V 3A / relay output	Managed by master	Managed by master
• Alarm output	NO/NC	Managed by master	Managed by master
• Anti passback	Yes	Managed by master	Managed by master

Access Control & Time Attendance Model

FingerTec face recognition technology offers contactless verification for time attendance and door access control. Face ID 4d comes bundled with *Ingress*, the advanced access control software or *TCMS V2*.



SPECIFICATIONS	
MODEL	Face ID 4d
SURFACE FINISHING	Acrylonitrile butadiene styrene/ polycarbonate blend
TYPE OF SCANNER	High resolution infrared camera
MICROPROCESSOR	800 MHz
MEMORY	256 MB flash memory & 128 MB SDRAM
ALGORITHM	Face BioBridge VX 8.0
DIMENSION (L X W X H), mm	148 x 148 x 122
STORAGE	
• Face templates	400
• Cards	10000
• Transactions	100000
ENROLLMENT & VERIFICATION	
• Methods	Face (1:1, 1:N), card or password
• Verification time – Face (sec)	< 2
• Face	FAR < 0.01%, FRR < 0.1%
CARD TECHNOLOGY	
• RFID: 64-bit, 125kHz	Yes
• MIFARE: MF1S50/S70, 13.56MHz	Made to order
COMMUNICATIONS	
• Method	TCP/IP, USB disk, USB client <i>(Optional WIFI)</i>
• Baud rates	9600 ~ 115200
OPERATING ENVIRONMENT	
• Temperature (°C)	0 ~ 45
• Humidity (%)	20 ~ 80
• Power input	DC 12V 3A
TIME ATTENDANCE	
• Siren	Built-in
• Work codes	Yes
• Fast transaction checking	Yes
MULTIMEDIA	
• Greeting voice	Yes
• Display	3.0" 65k color TFT touch screen panel
• Photo-ID	Yes
• Short messaging	Yes
• Day light saving timer	Yes
ACCESS CONTROL	
• EM lock driving output	DC 12V / relay output
• Alarm output	NO/NC
• Anti passback	Yes

Mechanical Lock Model

FingerTec mechanical lock models present advanced and sophisticated fingerprint door locks, suitable for use in important rooms, banks, labs and hotels. By default, RFID card technology is embedded in the models for an added verification option. Each model comes with a complimentary copy of *Ingress* advanced access control software.



SPECIFICATIONS	
MODEL	Keylock 8800
SURFACE FINISHING	Zinc alloy
TYPE OF SCANNER	Optical fingerprint scanner
MICROPROCESSOR	400 MHz
MEMORY	4 MB flash memory
ALGORITHM	BioBridge VX 9.0
RESOLUTION OF SCANNER (dpi)	150 x 150
DIMENSION (L X W X H), mm	150 x 595 x 310
• Thickness of door (mm)	35-55
• Door latch type	Mortise, 3-tongue
• Inner lock switch	Yes
STORAGE	
• Fingerprint templates	500
• Passwords	100
• Cards	100
• Transactions	30000
ENROLLMENT & VERIFICATION	
• Methods	Fingerprint (1:1, 1:N), card & password
• Recommended fingerprint per user ID	2
• Fingerprint placement	Any angle
• Verification time (sec)	< 1
• FAR (%)	< 0.0001
• FRR (%)	< 1
• Password length (digits)	8
CARD TECHNOLOGY	
• RFID: 64-bit, 125kHz	Yes
• MIFARE: MF1S50/S70, 13.56MHz	Made to order
• HID: HID 1325, 26-bit, 125kHz	Made to order
COMMUNICATIONS	
• Method	USB disk
• Baud rates	X
• Wiegand	X
OPERATING ENVIRONMENT	
• Temperature (°C)	0 ~ 45
• Humidity (%)	20 ~ 80
• Power input	4 x 1.5V AA battery for 4000 operations
• Power consumption – static (uA)	< 40
• Power consumption – activity (mA)	< 100
• Power consumption – driving (mA)	< 400
• Antistatic voltage (V)	> 1500
• Low battery warning voltage (V)	< 4.67
BACKUP UNLOCK MECHANISM	Battery & mechanical key

* All master terminals come packaged with FingerTec software.