FINGERTEC®

Kadex Series

Complete Card Reader for Door Access & Time Attendance System
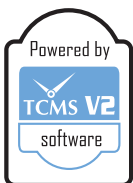
Kadex   m-Kadex   i-Kadex

A FIRM ACCESS

Kadex, access control & time attendance card reader supports card ID, 5-digit password or a combination of both. Kadex terminal works with security alarm system to alert users in case of break in and when duress function is used. The terminal can integrate with fire alarm system to unlock all doors when the alarm is triggered. Kadex communicates with computer via TCP/IP and it allows data transfer using USB flash disk to eliminate extra wiring and in case of failed connections.

m-Kadex is a simpler version of Kadex. The terminal functions similarly like Kadex but it is designed without any keypads or LCD. The management of m-Kadex must be carried out through the software except for enrollment and deletion of card users, which can be performed at the terminal by a person holding an administrator card.

i-Kadex is a slave reader to complement Kadex and m-Kadex for a professional access control functions. It reads the most commonly used Wiegand protocol and it is made waterproof and dustproof (IP65) for a longer lasting access control device.

Kadex series complies with international standard of CE, UL, FCC & MIC, our testament to safety and security.

Powered by
TCMS V2
software

HARDWARE
Self-Guide DVD
INSIDE

7th Anniversary
FINGERTEC®
A Milestone For The Next Leap

FEATURES & BENEFITS

TIME ATTENDANCE
- Collecting all clocking data automatically & systematically
- Fast & effective data management by powerful software
- Verification combination with card, Password, or RFID+Password
- "Touch & Go" concept for effective operation

CONNECTIVITY
- Supporting standard TCP/IP, RS232 & RS485 connection
- Multi readers powered by centralized software
- USB flash disk to ease data transfer
- Supporting standard Wiegand 26-bit(Kadex, m-Kadex, i-Kadex) or 34-bit output (i-Kadex)
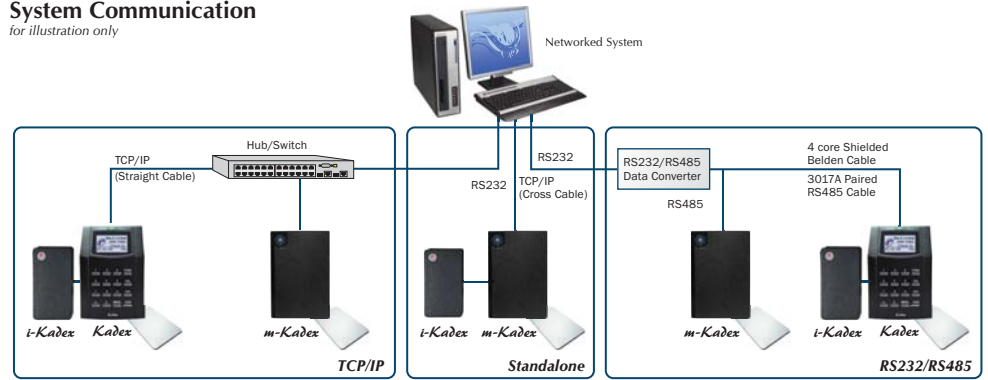
ACCESS CONTROL
- Eliminating unauthorized access
- Constant monitoring of staff movement
- Extra security with combination of card & password
- Easy integration with different types of door lock system
- 50 time zones with 5 groups to control staff accessibility
- Trigger alarm for tamper switch released, forced access, duress case & external siren
- Supports antipassback feature

System Communication
for illustration only

Networked System

TCP/IP (Straight Cable) — Hub/Switch

RS232

RS232 / TCP/IP (Cross Cable)

RS232/RS485 Data Converter

4 core Shielded Belden Cable

3017A Paired RS485 Cable

RS485

i-Kadex Kadex

m-Kadex

i-Kadex m-Kadex

m-Kadex

i-Kadex Kadex

TCP/IP

Standalone

RS232/RS485

Note: System Communication for Kadex installation is exactly the same as shown above, minus the i-Kadex

Installation Diagram
for illustration only
*AdapTec is sold separately.

DC 12V 3A Power Supply

AdapTec AC*

EMLOCK

Emergency Break Glass (Indoor)

Override Key Switch (Outdoor)

m-Kadex

Kadex

DC 12V 3A Power Supply

AdapTec AC*

RS232/RS485 TCP/IP

Management System

Door Access System

Emergency Break Glass (Indoor)

Override Key Switch (Outdoor)

EMLOCK EMLOCK

i-Kadex

SPECIFICATIONS

MODEL	Kadex	m-Kadex	i-Kadex
SURFACE FINISHING	Acrylonitrile Butadiene Styrene (ABS)	Polycarbonate	
TYPE OF SCANNER	RFID antena		
PRODUCT DIMENSION (L X W X H), mm	92 x 49 x 137	92 x 29 x 134	55 x 15 x 100
STORAGE			
• User Capacity	30000		N/A
• Transaction	50000		N/A
ENROLLMENT & VERIFICATION			
• Methods	Password or Card	Card only	N/A
• Card per user ID	1		N/A
• Reading distance, mm	50 ~ 80		
• Verification time (sec)	< 1		N/A
CARD TECHNOLOGY			
• RFID: 64-bit, 125kHz	Yes		
• MIFARE: MFIS50/S70, 13.56MHz	Made to order		
• HID: HID 1325, 26-bit, 125kHz	Made to order		N/A
COMMUNICATIONS			
• Method	TCP/IP, RS232, RS485, USB flash disk		Wiegand 26-bit output
• Baud rates	9600, 19200, 38400, 57600, 115200		N/A
• Wiegand	26-bit input/ output		26-bit output
OPERATING ENVIRONMENT			
• Temperature (°C)	0 ~ 45		-10 ~ 70
• Humidity (%)	20 ~ 80		
• Power input	DC 12V 3A		DC 12V 1A
TIME ATTENDANCE			
• Work codes	Yes	N/A	
MULTIMEDIA			
• Voice	Yes	N/A	
• Short messaging	Yes	N/A	
ACCESS CONTROL			
• EM lock driving output	DC12V 3A		N/A
• Alarm output	NO / NC		N/A
• Antipassback	Yes		N/A
VOICE / DISPLAY LANGUAGE (TERMINAL) *(only for Kadex)*	English (Standard) / (Upon Request - Arabic / Indonesian / Spanish / Turkish / Thai / Polish / Korea / Romanian / Portuguese / Dutch / Chinese / French / Slovenia/ Russian/ Greek / Hebrew / Persian / Italian / Vietnamese / Czech / Bulgarian)		
SOFTWARE LANGUAGE	English, Arabic, Indonesian, Spanish, Chinese, Thai, Vietnamese, French, Persian, Italian, Russian, Malay, Portuguese, German		

*N/A: Not applicable

Kadex m-Kadex i-Kadex

Packaging
• Kadex
Dimension (mm): 250(L) x 80(W) x 150(H)
Weight   : 1kg

• m-Kadex
Dimension (mm): 217(L) x 67(W) x 156(H)
Weight   : 600g

• i-Kadex
Dimension (mm): 80(L) x 50(W) x 164(H)
Weight   : 200g

Authorized Reseller:

FINGERTEC®

w w w . f i n g e r t e c . c o m

CE FC RoHS MADE IN MALAYSIA FOR THE WORLD

052010