FING**e**RT**e**C®

Kadex & *i-Kadex*
Complete Card Reader System for Time & Door Access & Functions

Kadex

i-Kadex

Kadex, a time attendance & door access control RFID card reader supports RFID card ID, 5-digit password or combination of both. *Kadex* terminal works with security alarm system to alert users in cases of break in and when duress function in *Kadex* reader is used. The terminal can integrate with fire alarm system to unlock all doors when fire alarm is triggered.

Kadex communicates with computer via TCP/IP and it allows data transfer to be done via USB flash disk to eliminate extra wiring.

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

i-Kadex (slave) complements Kadex RFID card reader (master) for a professional access control function. *i-Kadex* is designed sleek and slim to match the sophistication of today's environment, and it reads the most commonly used Wiegand protocol. *i-Kadex* is made waterproof and dustproof (IP65) for a longer lasting access control device.

FEATURES & BENEFITS

Powered by TCMS V2 software

HARDWARE & TCMS V2 Self-Guide VCD INSIDE

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

CONNECTIVITY
- Support standard TCP/IP, RS232 & RS485 connection
- Multi readers powered by centralized software
- USB flash disk to ease data transfer
- Support standard Wiegand 26-bit or 34-bit output (i-Kadex)

ACCESS CONTROL
- To eliminate unauthorized access
- Constant monitoring of staff movement
- Extra security with combination of RFID 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

LAYOUT PLAN

System Communication
for illustration only

Networked System

Hub/Switch

TCP/IP
(Straight Cable)

RS232

RS232
TCP/IP
(Cross Cable)

RS232/RS485
Data Converter

RS485

4 core Shielded
Belden Cable

3017A Paired
RS485 Cable

i-Kadex Kadex | i-Kadex Kadex | i-Kadex Kadex | i-Kadex Kadex | i-Kadex Kadex
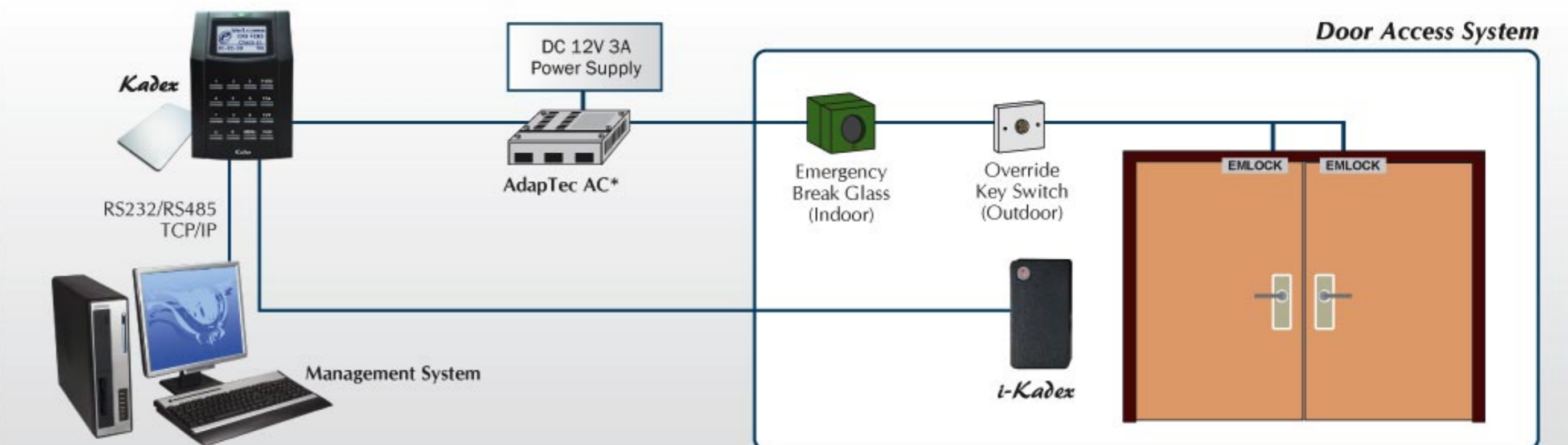
TCP/IP | **Standalone** | **RS232/RS485**

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

Installation Diagram
for illustration only
AdapTec is sold separately.

Door Access System

Kadex

DC 12V 3A
Power Supply

RS232/RS485
TCP/IP

AdapTec AC*

Emergency
Break Glass
(Indoor)

Override
Key Switch
(Outdoor)

EMLOCK   EMLOCK

Management System

i-Kadex

SPECIFICATIONS

MODEL	Kadex	i-Kadex
SURFACE FINISHING	Acrylonitrile Butadiene Styrene (ABS)	Polycarbonate
TYPE OF SCANNER	Optical	
DIMENSION (L X W X H), mm	92 x 49 x 137	55 x 15 x 100
STORAGE		
• User Capacity	30000	N/A
• Transaction	50000	N/A
ENROLLMENT & VERIFICATION		
• Methods	Password or Card	N/A
• Card per user ID	1	N/A
• Reading distance, mm	50 ~ 80	
• Verification time (sec)	< 1	N/A
CARD TECHNOLOGY		
• RFID: 64-bits, 125kHz	Yes	
• MIFARE: MFIS50/S70, 13.56MHz	Made to order	
• HID: HID 1325, 26-bits, 125kHz	Made to order	
COMMUNICATIONS		
• Method	TCP/IP, RS232, RS485, USB flash disk	Wiegand output
• Baud rates	9600, 19200, 38400, 57600, 115200	N/A
• Wiegand	26-bits input/ output	26-bits and 34-bits output
OPERATING ENVIRONMENT		
• Temperature (°C)	0 ~ 45	-10 ~ 70
• Humidity (%)	20 ~ 80	
• Power input	DC12V 3A	DC12V
TIME ATTENDANCE		
• Work codes	Yes	N/A
MULTIMEDIA		
• Greeting voice	Yes	N/A
• Short messaging	Yes	N/A
ACCESS CONTROL		
• EM lock driving output	DC12V	N/A
• Alarm output	NO/NC	N/A
• Antipassback	Yes	N/A
GREETING VOICE / DISPLAY LANGUAGE (READER)	English (Standard) / (Upon Request - Arabic / Indonesian / Spanish / Turkish / Thai / Polish / Korea / Romanian / Portuguese / Dutch / Chinese / French / Slovenia/ Russian/ Greek / Hebrew / Farsi / Italian / Vietnamese / Czech / Bulgarian)	
SOFTWARE LANGUAGE	English, Arabic, Indonesian, Spanish, Chinese, Thai, Vietnamese, French, Farsi, Italian, Russian, Malay, Portuguese, German	

Kadex   i-Kadex

Packaging
• Kadex
Dimension (mm): 300(L) x 87(W) x 225(H)
Weight   : 1kg

• i-Kadex
Dimension (mm): 80(L) x 50(W) x 164(H)
Weight   : 180g

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