



Security at Fingertips



- Biometric
 - Time & Attendance
 - Canteen Management
 - Visitor Management
 - Guard Patrol System
- Access Control
 - Turnstiles
 - Flap Barrier
 - Multi Door Controller
 - Parking Barrier
 - Swing Barrier
- Metal Detector-DFMD & HHMD
- Baggage Scanner
- Smart Lock
 - Fingerprint Lock
 - Hotel Lock
 - Face Lock
- CCTV
- RFID & Smart Cards

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FROST & SULLIVAN

2007 BEST
& PRACTICES
2010 AWARD

Market Leadership in the
Indian Biometrics Readers Market

eSSL Support Management System



24/7 Online Support on
Mobile & Web Application

Mobile Help Desk & Web Help Desk

1. Built-In Product Knowledge Base

- Image / Features / Product Specification → Catalogue
- Connection Diagram → FAQ → video → Documents (Manuals/PPT'S)

2. Support Call Ticketing System

- Self Service (FAQs - customers will be able to get a wide variety of answers to their problems at all times)
- Ticket gets checked and answered

3. Mobile Apps

- Carry your support desk with you wherever you go, with the free eSSL helpdesk Android app

4. Training

- Online Training → Training at Branch



Download eSSL Support Management App

Google Playstore -> eSSL Support Management System -> Install -> Give Registered User ID & Passowrd -> Sign in

www.esslservices.com/support | Email : services@esslsecurity.com

Wi-Fi

WL20

Fingerprint Capacity : 1,000 | Finger Algorithm : Finger VX10.0
 Record Capacity : 50,000 | Push Data : Yes
 Display : 2.8-inch TFT Screen | Power Supply : DC 5V 0.8A
 Communication : Wi-Fi , USB-Host
 Standard Functions : SSR, DST, Scheduled-bell, Self-Service Query,
 Automatic Status Switch, T9 Input, 9 digit user ID

WL30

Fingerprint Capacity : 1,000 | Finger Algorithm : Finger VX10.0
 Record Capacity : 50,000 | Push Data : Yes
 Display : 2.8-inch TFT Screen | Power Supply : DC 5V 0.8A
 Communication : Wi-Fi , USB-Host
 Standard Functions : SSR, DST, Scheduled-bell, Self-Service Query,
 Automatic Status Switch, T9 Input, 9 digit user ID

Features: WL 20 / WL 30

- ▶ Wi-Fi, USB client & host
- ▶ Stable operation under strong light source
- ▶ Infrared auto-turning on function to save power
- ▶ Quick recognition of dry, wet and rough fingers

F22

Display : 2.4-inch TFT LCD Color Screen
 Fingerprint Capacity : 3,000 | Card Capacity : 5,000 RFID (Mifare Optional)
 Transaction Capacity : 30,000 | Sensor : BioID Sensor/ SilkID Sensor (optional)
 Algorithm Version : Finger VX10.0
 Communication : RS232/485, TCP/IP, USB-host, Wi-Fi
 Access Control Interface : 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm
 Wiegand Signal : Input, Output | Aux. Input : 1ea for linkage function
 Functions : DST, Automatic Status Switch, Record query, T9 input, 14 digit user ID,
 Anti-passback, Scheduled-Bell, Printer(Optional), ADMS(Optional)
 Power Supply : 12V DC, 3A | Operating Temperature : 0 °C- 45 °C
 Operating Humidity : 20%-80% | Dimension(LxWxH) : 159.8x80.7x19.4mm

i9c Wi-Fi

Fingerprint Templates : 2,200
 Card Capacity : 2,200
 Transaction Storage : 1,00,000
 Card Reader : Yes
 CPU : 32 bit microprocessor 400 MHz
 Fingerprint Sensor : 500 DPI Optical Sensor
 Communication : USB-host , TCP/IP, Wi-Fi (Optional)
 Push data : Standard



WL20



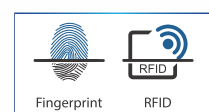
WL30



F22



i9c Wi-fi



Biometric Devices

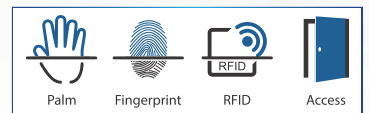
Palm & Fingerprint Biometrics

P160

Display : 2.8-inch TFT Color Display | Palm Capacity : 600 (Standard)
Fingerprint Capacity : 3,000 | ID Card Capacity : 10,000
Logs Capacity : 100,000 | Push Data : Yes*
Communication : TCP/IP, USB-Host | Optional Function : MIFARE Card
AC module 2 : Exit Button, Door Lock, Alarm, 12V OUT, AUX IN, Door Sensor, RS485, Wiegand IN/OUT, POE, Battery Module, ADMS



P160



Countertop Time Attendance Terminal

D2 Wi-Fi

Capacity : Max User - 1,000 Max Record : 50,000
Connectivity : WLAN, USB 2.0 (Host)
Display : 2.8" Color LCD | Sound : 24-bit
Operating Temp. : 0 °C- 45 °C | Operating Humidity : 20% ~ 80%
Power : DC 5V 2A | Battery : 4,000 mAh
Dimensions : 170.0 x 84.0 x 84.9 (W x H x D mm)
Standard Function : Automatic Status Switch, Self-Service Query, SSR
DST, T9 Input, 9 Digit User ID, Scheduled Bell



D2 Wi-Fi



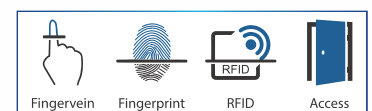
Fingervein Time Attendance & Access Control

FV350

Vein Capacity : 1,000
Fingerprint Capacity : 1,000
RF Card : EM, Mifare (Optional)
Authentication : Fingervein, fingerprint password, card (optional)
CPU : 1.2GMHz | Power Supply : DC 12V, 3A
Communication : TCP/IP, RS485 Vein
Auxiliary Terminal : 1 Aux. input
Wiegand : In and Out
Display : 2.8-inch capacitive screen



FV350



Silk ID Sensor



**REGISTER
UPDATE
PAY
WITH
SLK20R**



USB Fingerprint Reader

SLK20R

Sensor Type : Optical
Touch Surface Area : 16.5x23mm
Image Capture Area : 15.24x20.32mm(FAP20)
Image Size : 300x400
Resolution(dpi) : 500
Interface : USB 2.0, compatible with USB 1.1
Operating Systems : Windows xp/Vista/7/8/10 (32/64 bit), Android
Supply voltage : 5V, supplied by USB | Finger Rotation : 360°
Operating Temperature : -20°C to +50°C, 90% r.h.



SLK20R



Features:

Stable operation under strong light
Support anti-fake fingerprint function
Large fingerprint capture area and high image performance
Quick recognition of dry, wet and rough fingers
High Speed USB 2.0, Low Power Idle Mode
Available SDK for development

Silk ID Sensor



Baggage Scanner

Dual Energy X-ray Inspection System



eSSLX-6550

Applications:



Exhibition
Center



Bank



Electronic
Factory



Hotel



Government
office

Specifications

Tunnel Size : W660mm × H510mm | Speed : 0.20 m/s
Height of Transmission Belt : 1300 mm
Maximum Load : ≤180 kg (Adequate distribution)
Wire Resolution : 40 AWG (0.0787mm metal wire)
Space Definition : Horizontal Φ1.0mm \ Vertical Φ2.0mm
Penetrate Definition : 34 AWG
Penetration : 38mm Steel board | Monitor : 17 inch LED
System Function : High density alarm, Explosive/Drug auxiliary detect,
TIP, Luggage counter, System running timer, X-ray emitting timer,
Training, 64 times continuous zoom in
Film Safety : ASA/ISO1600 standard of film safety

X-ray System

Tube Voltage : 150 Kv
Cooling : Seal oil cooling / 100%
Single Inspection Dosage Rate : ≤1.0 μ Gy
Radiation Leak Dosage : 0.1 μ Gy/h
(5cm from the surface)

Installation Specification

Package Size : L2200mm × W1135mm × H1515mm
Console Desk Size : L830mm × W800mm × H1330mm
Package Weight : 680KG+105KG (Console desk)
Power Consumption : 1 kVA
Noise : 53.8 dB(A)

Baggage Scanner

Single Energy X-ray Inspection System



eSSLX-5030A



Specifications

Tunnel Size : 507mm (Width) * 305mm (Height)
Speed : 0.20m/s
Height of Transmission Belt : 1000mm
Maximum Load : ≤120kg (Adequate distribution)
Wire Resolution : 34AWG (0.16mm metal wire)
Space Definition : Horizontal Φ1.0mm Vertical Φ2.0mm
Penetrate Definition : 32AWG
Penetration : 8mm Steel board
Monitor : 17inch LED
System Function : High density alarm, TIP, Luggage counter, System running timer, X-ray emitting timer, System maintainance, Training, 64 times continuous zoom in
Optional Function : Video surveillance system, Bidirection scan, Electrical weighing system, Energy saving mode, Ultrasonic rat repellent
Film Safety : ASA/ISO1600 standard of film safety

X-ray System

Tube Voltage : 80Kv
Cooling : Seal oil cooling / 100%
Single Inspection Dosage Rate : ≤1.0μ Gy
Radiation Leak Dosage : 0.1μ Gy/h(5cm from the surface)

Installation Specification

Package Size : L1900mm×W990mm×H1320mm
Weight : 410KG
Power Consumption : 1kVA
Noise : 53.8dB(A)

Dual Energy X-ray Inspection System



eSSLX-5030C

Specifications

Tunnel Size : W507mm × H305mm
Speed : 0.20 m/s
Height of Transmission Belt : 1000 mm
Maximum Load : ≤120 kg (Adequate distribution)
Wire Resolution : 38 AWG (0.1mm metal wire)
Space Definition : Horizontal Φ1.0mm Vertical Φ2.0mm
Penetrate Definition : 32 AWG
Penetration : 32mm Steel board
Monitor : 17 inch LED
System Function : High density alarm, Explosive/Drug auxiliary detect, TIP, Luggage counter, System running timer, X-ray emitting timer, Training, 64 times continuous zoom in
Optional Function : Video surveillance system, Bidirection scan, Electrical weighing system, Energy saving mode, Ultrasonic rat repellent
Film Safety : ASA/ISO1600 standard of film safety

X-ray System

Tube Voltage : 140 Kv
Cooling : Seal oil cooling / 100%
Single Inspection Dosage Rate : ≤1.0 μ Gy
Radiation Leak Dosage : 0.1μ Gy/h (5cm from the surface)

Installation Specification

Package Size : L1990mm × W990mm × H1320mm
Package Weight : 450 KG
Power Consumption : 1 kVA
Noise : 53.8 dB(A)

Metal Detector

18 Zones Standard : Walk Through Metal Detector

D2180S & D3180S | D1065S*

Power Supply : AC85 V - 264 V

Working Temperature : -20°C to +50°C

Working Frequency : 4KHZ—8KHZ

Standard External size : 2230mm(H)x830mm(W)x730mm(D)

Standard Internal size : 2000mm(H)x700mm(W)x605mm(D)

Package size for door panels : 2260x650x260mmx1ctn

Package size for control unit : 780x390x250mmx1ctn

Standard External size : 2220mm(H)x810mm(W)x600mm(Deep)*

Standard Internal size : 1990mm(H)x700mm(W)x500mm(Deep)*

Gross weight : 70KG



Model	Display	Detecting Zones	Sensitivity Level	Infrared Remote Control	Dimensions (HxWxD)
D1065S	LED	6	100	X	1990x700x500
D2180S	3.7 inch LCD	18	256	X	2000x700x605
D3180S	5.7 inch LCD	18	256	✓	2000x700x605

Applications:



Hand Held Metal Detector

D180

Dimension : 345(L) X 69(W) X 25(H) mm

Power voltage : 9V Rechargeable battery

Operating voltage : 7V-12V

Operating current : <5mA

Alarm terms : Sound & light alarm/ Vibration & light alarm

Alarm sound : ≥75dB(A)

Operation frequency : 22KHz



HHMD prevents :



D100S

Dimension : 410(L) X 85(W) X 45(H) mm

Power Voltage : standard 9V battery

Operating Voltage : 7V-9V | Operating Current : <50mA

Alarm terms : sound (vibration) & light alarm simultaneously

Waterproof : IP31 | Alarm Sound : ≥75dB(A)

Operation Frequency : 40KHz



D100S

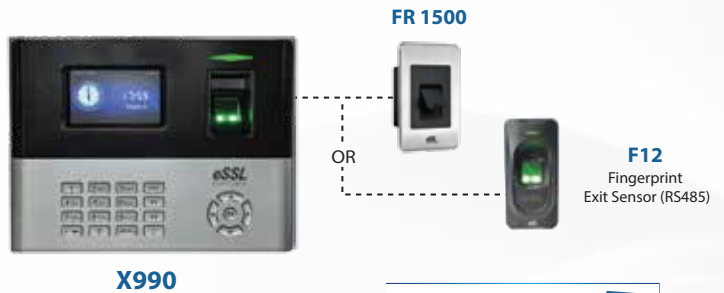


Security at Fingertips

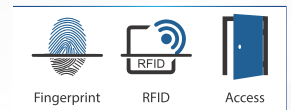
Standalone Fingerprint Time Attendance & Access Control System

X990

Fingerprints Users : 10,000 | Card Storage : 10,000
Transactions Storage : 1,00,000
CPU : 800 Mhz - 32bit Microprocessor
Fingerprint Sensor : 500 DPI Optical Sensor
Display : 3" Color TFT | Sensor : Mifare/HID Prox
Communication : TCP/IP, USB, (Optional : Wifi, GPRS, GPRS+ GPS)
Wiegand : In & Out both 26 or 34 bit (With or without site code)
Support Exit Readers : FR 1200, Push Button, 101HE (Optional) KR500, Notouch, KR503

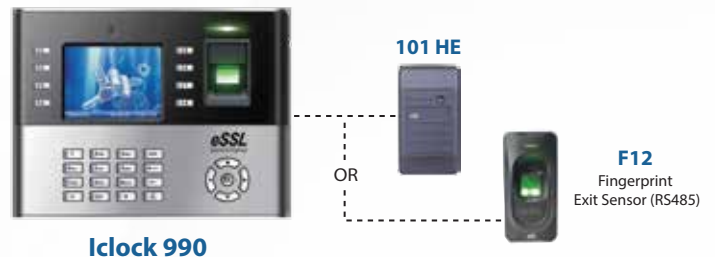


X990

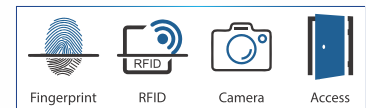


Iclock 990

Users : 10,000 Fingerprints (Optional 50,000) | Card Storage : 10,000
Transactions Storage : 2,00,000 (Optional 8,00,000)
Fingerprint Sensor : 500 DPI Optical Sensor
(Optional PIV STQC Certified Sensor)
Push Data : Inbuilt | Display : 3.5" Color TFT
Communication : TCP/IP, USB, (Optional : Wifi, GPRS)
Wiegand : In & Out both 26 or 34 bit (With or without site code)
Support Exit Readers : 101 HE , FR 1200 (Optional), Push Button
Optional Feature : Mifare/HID Prox

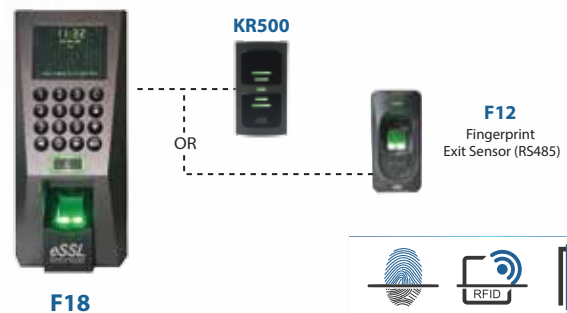


Iclock 990

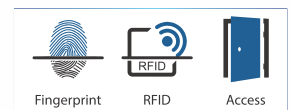


F18

Users : 3,000 Fingerprints | Card Storage : 5,000
Transactions Storage : 30,000
Fingerprint Sensor : 500 DPI Optical Sensor
Communication : TCP/IP, USB
Wiegand : In & Out | Push Data : Standard
Support Exit Readers : FR 1200/KR 500/101HE
Scheduled Bell/Speaker : Mini Speaker ,
Optional (Mifare / HID Prox / HID iclass)



F18





Security at Fingertips

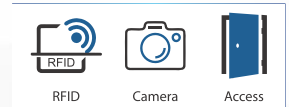
Standalone RFID Time Attendance & Access Control System

K990

Card Storage : 30,000
Transactions Storage : 2,00,000
Communication : TCP/IP, RS232/ 485
Power Supply : 12.3Amps
Operating Humidity : 20% - 80%
Operating Temperature : 0°C to 45°C
Dimension : 212 x 159 x 45 mm
Weigand : In & Out both 26 or 34 bit (With or without site code)
Support Exit Readers : KR 500E, KR 503 (Optional), 101HE and 50 time zones, 5 group, 10 time combination
Optional : Camera
Special Function : 8 Function Key



K990



S990A

Card Capacity : 30,000
Transaction Storage ; 1,00,000
Push data : Standard
Schedule Bell/Speaker : Mini Speaker
Communication : RS232/485, TCP/IP
Standard features : Work Code, SMS, DLST, Self service query, Status Switch
Power Supply : 12V DC, 1.5Amp
Operating Temperature : 0°C to 45°C
Operating Humidity : 20% - 80%
Support exit readers : KR500E / Exit Button, KR 503, 101HE (Optional)



S990A



SC 403

Users : 30,000 Fingerprint
Transactions : 50,000 Logs
Communication : RS232, RS485, TCP/IP, USB-HOST 2.0 Port
Read Range : 8 - 10 cms
Identification Speed : <=1 Sec
Support : KR 500E / Exit Button
Weigand I/O : 26 bit
Access Control : 50 time zones, 5 groups, 10 time combinations
(Optional : MiFare/HID Prox)



SC 403





Security at Fingertips

Face Based Multi-Biometric Time Attendance & Access Control system

Special device for indoor dark environment

sFace 900

Face Capacity : 1,200 (Optional 3,000)
Fingerprint Templates : 2,000, (Optional 4,000)
Card Storage : 10,000
Push data : Yes
Transaction Storage : 1,00,000 | CPU : 1.0 Ghz
Fingerprint Sensor : 500 DPI Optical Sensor | Display : 4.3- Inch Touch Screen
Communication : TCP/IP, RS232/485, USB Host (Optional : Wifi, 3G)
Standard Features : DLST | Power Supply : 12V 3A



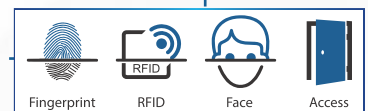
sFace 900

uFace 602

Face Capacity : 1,200 (Optional 3,000)
Fingerprint Templates : 2,000, (Optional 4,000)
Card Storage : 10,000
Transaction Storage : 1,00,000 | CPU : 1.0 Ghz
Fingerprint Sensor : 500 DPI Optical Sensor
Display : 4.3- Inch Touch Screen
Communication : TCP/IP, RS232/485, USB Host (Optional : Wifi, 3G)
Standard Features : DLST | Power Supply : 12V 3A



uFace 602



uFace 302

Face capacity : 3,000
Fingerprints templates : 4,000 | ID Card Storage : 10,000
Transaction storage : 1,00,000 | Push Data : Yes
Communication : TCP/IP, RS232/485, USB Host,
Optional Functions : MiFare Card, Wi-Fi, 3G
Standard Functions : Automatic Status Switch, Self-Service Query, Work Code, SMS,
DST, T9 Input, 9 Digit User ID, Scheduled Bell,
Photo ID Access Control Interfaces for: 3rd Party Electric Lock,
Door Sensor, Exit Button, Alarm



uFace 302

uFace 301

Face capacity : 3,000 | ID Card Storage : 10,000
Transaction storage : 1,00,000 | Push Data : Yes
Communication : TCP/IP, USB Host,
Optional Functions : MiFare Card, Wi-Fi, 3G
Standard Functions : Automatic Status Switch, Self-Service Query, Work Code, SMS,
DST, T9 Input, 9 Digit User ID, Scheduled Bell,
Photo ID Access Control Interfaces for: 3rd Party Electric Lock,
Door Sensor, Exit Button, Alarm



uFace 301



Security at Fingertips

Multi-Biometric Identification Time Attendance & Access Control system

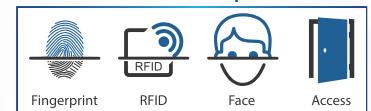
Face & Finger Time Attendance & Access Control System

Multibio-700

Fingerprints Capacity : 2,000 | Face Capacity : 1,500 | Card Capacity : 10,000
Transaction storage : 1,00,000 Logs | Push Data : Yes
Image sensor : Special Sterio Dual Sensor
Camera : High Resolution Infrared Camera
Standard Features : ID Card, Automatic Status Switch, Self Service, Query, Work code
Communication : RS232/485, TCP/IP, USB - Host
Support Exit Readers : 101HE / KR 500
RS485 Reader | Optional : KR503 | FR1200



Multibio 700



Face & Finger Time Attendance & Access Control System

MB 160

Face Capacity : 1,000 | Fingerprint Capacity : 2,000
ID card Capacity : 2,000 | Transaction Storage : 1,00,000
Communication : TCP/IP, USB-Host | Push Data : Yes
Display : 2.8-inch TFT Screen
Standard Functions : SMS, DLST, Scheduled-bell, Self-Service Query, RS232 Printer
Automatic Status Switch, T9 Input, Photo ID, Camera, Multi-verification
Interface for Access Control : 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm
Optional Function : MIFARE Cards, Work Code
Power Supply : DC 12V 1.5A



MB 160

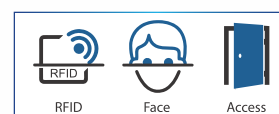
Face Time Attendance & Access Control System

KF 160

Face Capacity : 400 | ID card Capacity : 1,000
Transaction Storage : 80,000 | Push Data : Yes
Display : 2.8-inch TFT Screen
Communication : TCP/IP, USB-Host
Standard Functions : SMS, DLST, Schedule-bell, Self-Service Query, RS232 Printer
Automatic Status Switch, T9 Input, Photo ID, Camera, Multi-verification
Interface for Access Control : 3rd Party Electric Lock, Door Sensor, Exit Button, Alarm
Optional Function : MIFARE Card, Work Code



KF 160



Multi-Biometric Time Attendance & Access Control System

SilkBio-101TC

Face Capacity : 2,000 | Fingerprint Capacity : 3,000
ID Card Capacity : 3,000 | Transaction Capacity : 1,00,000
Push Data : Yes | Keypad : Feather Touch
Communication : TCP/IP, USB-Host, Wi-Fi(Optional)
Standard Functions : Work Code, SMS, DST, Scheduled-bell, Self-Service Query, AutomaticStatus Switch Photo ID, T9 Input, Camera, 9 digit user ID, Built-in Battery, Multiple Verify Mode, External Bell
Access Control Interface : Lock, Door Sensor, Exit Button, Alarm



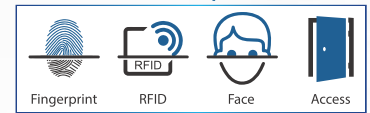
SilkBio-101TC

SilkBio-100TC

Face capacity : 800 | Fingerprint Capacity : 1,500
ID Card Capacity : 2,000
Transaction Capacity : 1,00,000
Display : 2.8-inch TFT Screen
Communication : TCP/IP, USB -Host
Push Data : Yes | Keypad : Yes
Standard Functions : Work Code, SMS, DST, Scheduled-bell, Self-Service Query, Automatic Status Switch, Photo ID, T9 Input, Camera, 9 digit user ID, Built-in Battery, Multiple Verify Mode
Wiegand Signal : Wiegand Out



SilkBio-100TC



Fingerprint Biometrics

F21

Fingerprint Templates : 3,000
Card Capacity : 5,000 RFID or Mifare card (Optional)
Transaction Capacity : 1,00,000 | Sensor : SilkID Sensor
Communication : RS232/485, TCP/IP, USB-host
Access Control Interface : 3rd Party, Electric Lock, Door Sensor, Exit Button, Alarm, Doorbell
Wiegand Signal : Input, Output, SRB
Aux. Input : 1ea for linkage function
Functions : DST, Automatic Status Switch, Anti-passback, Scheduled-Bell, Printer & Camera



F21



Silk FP-101TA

Fingerprint Capacity : 3,000 | ID Card Capacity : 10,000
Record Capacity : 1,00,000 | Push Data : Yes
Communication : TCP/IP, USB(Host & Client)
Standard Functions : Work Code, SMS, DST, Scheduled-bell, Self-Service Query, Automatic Status Switch, T9 Input, 9 digit user ID, Photo ID



Silk FP-101TA

Single Door RFID Based Access Controller



SA31-E

Card Storage : 1000 users
 Operating Voltage : DC 12V $\pm$ 10%
 Operating Current : <100mA
 Card Type (alternative) : EM(ID) card
 (IC card for options)
 Access by : RFID
 Card Reading Distance : 1 - 15CM



SA32-E

Card Storage : 1000 users
 Operating Voltage : DC 12V $\pm$ 10%
 Operating Current : <100mA
 Card Type (alternative) : EM(ID) card
 (IC card for options)
 Access by : Card, Pin or Card + PIN
 Card Reading Distance : 1 - 15CM



SA33-E

Card Storage : 1000 users
 Card Type (alternative) : EM(ID) card
 (IC card for options)
 Access by : Card, Pin or Card + PIN
 Support : RFID & Exit Button
 Bell, Touch Key Pad
 Card reading distance EM : 1-15CM,
 MF1: 1-7CM



SA521 (IP68)

User Capacity : 2000
 Waterproof, conforms to IP68
 Strong Zinc Alloy Electroplated anti-vandal case
 Supports : Card, PIN, Card + PIN
 Wiegand 26 input for connection to external reader
 Connection : Electric Lock, exit Button,
 External Alarm, External Reader

UHF RFID Reader

UHF 1-5 / 2-5

Dimension : 260 x 260 x 65(mm)
 Reading Distance : Up to 6 meters (adjustable)

UHF 1-10 / 2-10

Dimension : 445 x 445 x 70(mm)
 Reading Distance : Up to 12 meters (adjustable)

Specification

Communication Interface : Wiegand 34(Default) / Wiegand 26, USB
 Frequency : 902MHz-928MHz, 865MHz-868MHz
 Shell Material : Die-casting aluminum shell, Antenna panel with engineering plastics
 Voltage : 9-12V DC
 Temperature : -20°C to 60°C
 Interface Protocol : EPC global UHF Class 1 Gen 2/ISO 18000-6c
 Multiple Tags Identification : >50
 Multiple Tags Identification Speed : >50 Per second
 Working Mode : Always read/Trigger read
 I/O : Interface Supports external trigger
 Maximum power consumption : <3W (RF output 26dBm,multiple tags)
 <2W (RF output 26dBm,Single tags)



UHF 1-5 / 2-5 UHF 1-10 / 2-10

Accessories

KR 500-E/M
(wiegand)



Exit Switch



No Touch



101-HE



FR1500



F12



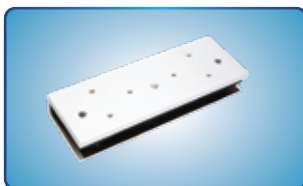
KR503E/M
(RS 485)



L-Bracket



U-Bracket



ZL-Bracket



Bracket



EM-Lock



Drop Bolt-Lock



Strick-Lock



Auto Feedback Lock



Glass Door Bolt Lock



RFID/
Smart Card



Key Tag



MIFARE reader/
Writer with SDK



Thin Card
ISO Format : 125KHz



Thick Card
ISO Format : 125KHz

Portable Data Collection Unit For Guard Patrol



PT100

Advantages of PT100

- IP 65 rated water resistance & dust proof
- Also can be used for Time & Attendance
- Gives report as where guard has done patrolling
- Low power consumption, standby 7 days
- Fingerprint Authentication, accurate & environment
- Reduce Security guard cost & less number of security person



Canteen Management System

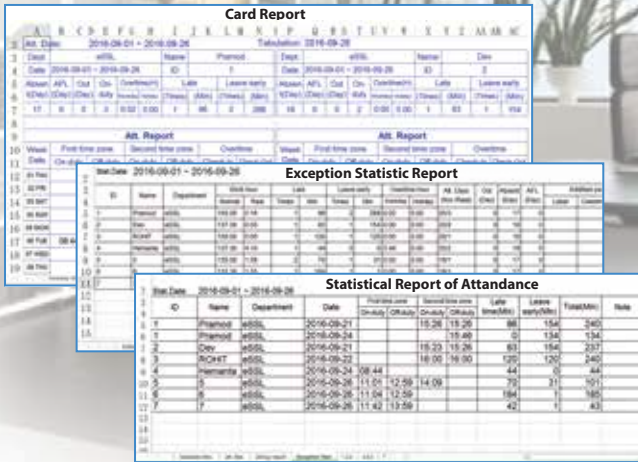
LP400



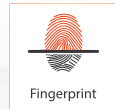
Advantages of LP400

- Visitors Record
- In and out attendance
- Breakfast, Lunch, Dinner attendance Reports
- Meal Planning Reports i.e. Breakfast, Lunch Dinner
- Meal Planning Reports/ SMS to warden or meal incharges





Fingerprint



Specification

Fingerprint Capacity : 500 | Transaction Storage : 50,000
Communication : USB Host/Client
Standard Function : Scheduled-bell, SSR recorder,
9 Digit user, T9 Input Record checking
Power Supply : 5V 800mA | Dimension : 185 x 140 x 30 mm

Features:

With SSR Report (Self-Service-Recorder)
Best suitable for Small Chain Stores
2.8 inches TFT display
Directly Data download in excel format



Card Access



SSR Based Fingerprint Time Attendance System LX16 (No Software Required)

Fingerprint Time Attendance & Access Control System

K20 Pro

Fingerprint Templates : 1000 | Transaction Storage : 1,00,000
Card Capacity : 500 | Fingerprint Sensor : 500 DPI Optical Sensor
Communication : TCP/IP, USB-host | Push data : Yes
Standard features : Inbuilt Battery Backup,
Self Service Query, SSR Recorder, Automatic Status Switch, DST, T9 Input
Power Supply : 5V DC, 0.8 Amps
Operating Temperature : 0oC to 45oC
Operating Humidity : 20% - 80%
Dimension : 185 x 140 x 30 mm



K20 Pro



Fingerprint Time & Attendance System

K21 Pro

Users : 1000 Fingerprints | Transaction Storage : 1,00,000
Push Data : Yes
Communication : TCP/IP, USB
Schedule Bell/Speaker : Mini Speaker
Schedule Bell : Yes | Self Service Query : Yes | SSR Recorder : Yes
Automatic Switch : Yes | DST, T9 Input : Yes
Dual Mode : Either SSR Mode or Software Mode



K21 Pro



Fingerprint Time Attendance & Access Control System

K30 Pro

Users : 1,000 Fingerprints | Card Storage : 1,000
Transaction Storage : 1,00,000
Push Data : Yes
Communication : TCP/IP, USB-host
Schedule Bell/Speaker : Mini Speaker | Schedule Bell : Yes
Self Service Query : Yes | Automatic Status Switch : Yes
DST, T9 Input : Yes
Support : Push Button, EM Lock, No Touch



K30 Pro



SF100

Users : 1500 Fingerprints | Card Capacity : 5,000
Transaction Storage : 80,000
Communication : USB-host, TCP/ IP, RS 485
Standard Features : Auxiliary Input
Wiegand : In & Out
Schedule Bell/Speaker : Mini Speaker
Algorithm Ver : VX 10.0
Support exit readers : KR500 , EM Locks,
Door Sensors, Alarm, Door Bell, Exit Button



SF100



Multidoor Access Controller System

C3 400

Card Capacity : 30,000 | Log Events Capacity : 1,00,000
CPU : 32bit 400 MHz | RAM : 32MB | Flash Memory : 128 MB
Communication : RS485, TCP/IP, WiFi Optional
Numbers of readers supported : 12 (8 RS-485 Reader, 4 26-bit wiegand reader)
Types of readers supported : 26-bit Wiegand (others upon request) , RS- 485
Number of Inputs : 12 (4 Exit Device, 4 Door Sensor, 4 AUX)
Number of Outputs : 8 (4-Form C Relay for Lock and 4-From C Relay for Aux Output)
Available : 1 Door , 2 Door

Features:

256 time Zones, 256 access levels
Anti-passback function, Interlock function, Linkage function, Multi-Card Opening function
Remote door opening and closing
4 auxiliary input can be connected to infrared body detectors, Fire Panel/smoke detectors etc.
4 auxiliary output can be connected to alarms/siron, Light indicator, door bells etc.
Data is preserved if power is lost, Controller continues to operate if data connection is interrupted
Alarms and Events Notifications through Email using Web Application
Supports Video Integration & Visitor Management Module using Web Application



C3 400 : 4 Door

InBio 460

Card Capacity : 30,000 | Fingerprint Capacity : 3,000 (20,000 Optional)
Log Events Capacity : 1,00,000 | Available : 1 Door , 2 Door
Communication : RS485, TCP/IP, WiFi Optional
Numbers of readers supported : 12(8 RS-485 Reader, 4 wiegand reader)
Types of readers supported : 26-bit Wiegand (others upon request) , RS- 485
Number of Inputs : 12 (4 Exit Device, 4 Door Status, 4 AUX)
Number of Outputs : 8 (4-From C Relay for Lock and 4-From C Relay for Aux Output)

Features:

256 time Zones, 256 access levels
Anti-passback function, Interlock function, Linkage function, Multi-Card Opening function
Remote door opening and closing
4 auxiliary input can be connected to infrared body detectors, Fire Panel/smoke detectors etc.
4 auxiliary output can be connected to alarms/siron, Light indicator, door bells etc.
Data is preserved if power is lost, Controller continues to operate if data connection is interrupted
Alarms and Events Notifications through Email using Web Application
Supports Video Integration & Visitor Management Module using Web Application



InBio 460 : 4 Door

Advanced Multidoor Access Controller System

InBio 460 Pro

Fingerprint Capacity : 3,000 (Optional 20,000) | Card Capacity : 30,000 (Optional 60,000)

Log Events Capacity : 1,00,000 | Push Data : Yes

Communication : TCP/IP and RS-485, WiFi Optional

Types of readers supported : 26-bit Wiegand & RS485 FR Series Reader

Numbers of readers supported : 12 (8 RS-485 Reader, 4 26-bit wiegand reader)

Number of Inputs : 12 (4 Exit Device, 4 Door Status, 4 AUX)

Number of Outputs : 8 (4-Form C Relay or Lock & 4-Form C Relay for Aux Output)



InBio 460 Pro

Features:

Embedded Fingerprint verification and advance access control function

Data is preserved if power is lost, Controller continues to operate if data connection is interrupted

Advanced Function :- Global Anti Passback / Global Interlock / Global Linkage Who is inside :- Can track last position of Employee

First-Card Opening, Multi-Card Opening | Duress Password Entry, and Auxiliary input/output linkages are inbuilt into controller firmware

Alarms and Events Notifications through Email | Supports Video Integration & Visitor Management Module

Elevator Control System

EC10

Floor Button Control Relays : 10

Fingerprint Capacity : 3,000

Proximity Card Capacity : 30,000

Event Capacity : 1,00,000

Communication to computer : TCP/IP, RS485

Communication to EX16 : RS485 | Number of supported EX16 boards : 3



EC10



EX16

Features:

Alarms and Events Notifications through Email

Supports Video Integration & Visitor Management Module

EX16

Floor Button Control Relay : 16

Communication to EC10 : RS485

RS485 address : Set by DIP switch

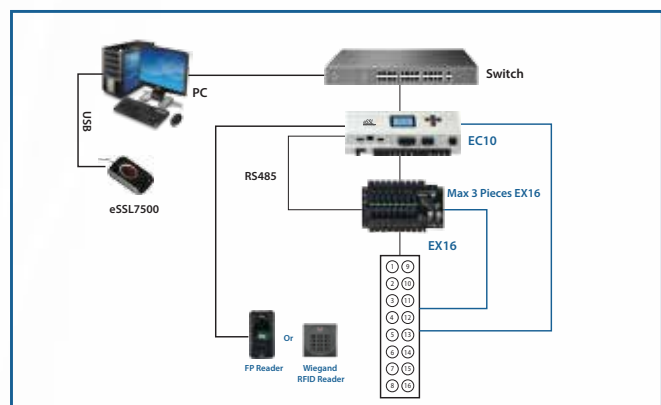
Extension Board to Control 16 floors

Elevator Controller EC10 Controlling 10 floors

elevator keypad, extension relay board

EX16 can connect with the master controller to control another 16 floors.

Connectivity Diagram



Bio Security 3.0 Access Controller System



Access Controller



Video Linkage



Elevator Controller



Visitor Management

All-In-One Solution

(Access Control, Video, Elevator and Visitor Management)

Door Management (Up to 2,000 on single / 8,000 doors Multi - Server)
Support Video Integration & Visitor Management
Supports Access Control Device:- C3, In-Bio Pull Device, In-Bio Pro, Pro Standalone devices (Push Data Technology) & Elevator EC-10
C3 / InBio will not Support advanced functions
Can Control Door Globally (Remote Location)
Data is preserved & Controller continues to operate if data connection is interrupted
Can Track Last Position of Visitor / Employee
Global Anti-Passback, Interlock and Linkage
Real Time Monitoring System
Alarms and Events Notifications through Email

Integrate and Ultimate protection for All



Data can be centralized in a single server for multiple locations

TS 2033

**Tripod Turnstile
Integrated with uFace 302
(Oneway Bridge)**



Oneway Vertical Tripod Turnstile

TS 1000

Type : Vertical Tripod | Arm Length : 50cm
Max Tolerance of Arms : 80 Kg | Angle per rotation : 120°
Operation Type : Oneway - Bidirectional | Flow Rate : 15-20 passengers / minute
Ingress Protection Degree : IP54 | SMPS - Input : AC 220V / 110V, 50Hz / 60Hz
SMPS - Output : DC +24V, 5A; +12V, 3A
Operating Environment : Indoor & Outdoor with shelter
Dimension(LxWxH) : 520 x 280 x 980 mm
Gross Weight : 40kgm



RFID or Fingerprint

TS 1000 Series:

TS 1000	TS 1011	TS 1022
Tripod Turnstile	RFID	FP+RFID

Tripod Turnstile Integrated with uFace 302 (Oneway Bridge)

TS 2033

Type : Bridge Tripod | Arm Length : 50cm
Max Tolerance of Arms : 80 Kg | Angle per rotation : 120°
Operation Type : Oneway - Bidirectional
Flow Rate : 25-48 passengers / minute
Ingress Protection Degree : IP54
SMPS - Input : AC 220V / 110V, 50Hz / 60Hz
SMPS - Output : DC +24V, 5A; +12V, 3A
Operating Environment : Indoor & Outdoor
Dimension(LxWxH) : 1110 x 260 x 980 mm
Gross Weight : 54kg



Integrated With
uFace 302

TS 2000 Series:

TS 2000	TS 2033
Tripod Turnstile	FP+Face

ET1000 : Heavy Duty Tripod Turnstile

ET1000

Passage Width : <550mm | Throughput rate : 35p/m
Power Supply : 100 ~240V | Operational Voltage : 24V
Max Power Consumption : 30 W
Frequency : 50~60hz | Protection Level : >44
Working Temperature : -25 ~ +70OC
Electro - magnetic Drive : DC
Dimension Excluding Bar : 480x280x980 mm
Net Weight Including Bar : 44kg



ET1000

ET1200

Passage Width : <550mm | Throughput rate: 35p/m
Power Supply : 100 -240V | Operational Voltage: 24V
Max Power Consumption : 30 W Frequency: 50-60hz
Protection Level : IP 54 | Working Temperature: -25 - +70°C
Electro - magnetic Drive : DC
Dimension Excluding Bar : 560x480x960 mm
Net Weight Including Bar: 80kg



ET1200

ET2000

Passage Width : <550mm | Throughput rate : 35p/m
Power Supply : 100 -240V | Operational Voltage : 24V
Max tolerance of Arms : 80 Kg | Angle per rotation: 120 °
Operation Type : Oneway - Bidirectional
Flow Rate : 25-48 passages/minute
Input control signal : Dry contact | Max Power Consumption : 30 W
Frequency : 50-60hz | Protection Level : IP 44
Working Temperature: -25 - +70°C | Electro - magnetic Drive : DC
Dimension Excluding Bar : 1200x280x980 mm Net Weight Including Bar: 52kg
Opening Duration : 5s - 60s



ET2000

Single lane & Multiple lane

FB-TL-2000 & FB-TL-2200

Power Requirements : AC100~120V/200~240V,50/60Hz
 Working Temperature : -28°C to 60°C
 Working Humidity : 5%~80%
 Working Environment : Indoor/outdoor (if sheltered)
 RFID : Maximum 35/ minute | Fingerprint : Maximum 25/ minute
 Face: Maximum 11/ minute | Vein : Maximum 23/ minute
 Lane width(mm) : 550 | Input : Dry Contact
 Unlock Time : 0.2 sec | Dimensions(mm) : L= 1200, W=280, H=980
 Net Weight(kg) : 100 | LED Indicator : Yes
 Cabinet Material : SUS304 Stainless Steel | Lid Material : SUS304 Stainless Steel
 Barrier Material : Acrylic



FB-TL-2000
Single Lane

FB-TL-2200
Multi Lane

FB-TL-2000
Single Lane

FB-TL-119 & FB-TL-219

Type : Single & Multiple lane | Passage width (Max) : ≤ 550mm
 Throughput rate : 35 P/M | Power Supply : 100V ~ 240V AC
 Operational Voltage : 24V DC | Max Power Consumption : 30W
 Frequency : 50Hz ~ 60Hz
 Protection Level (IP) : ≥ 44
 Working Temperature : -25° to +70°
 Electro-magnetic Drive : DC
 Dimension excluding bars : 800 X 280 X 960 mm
 New Weight (Including Bars) : 40kg (FB-TL-119 - L/R)
 New Weight (Including Bars) : 40kg (FB-TL-219)



FB-TL-119-L
Single Lane

FB-TL-219
Multi Lane

FB-TL-119-R
Single Lane

Swing Barrier

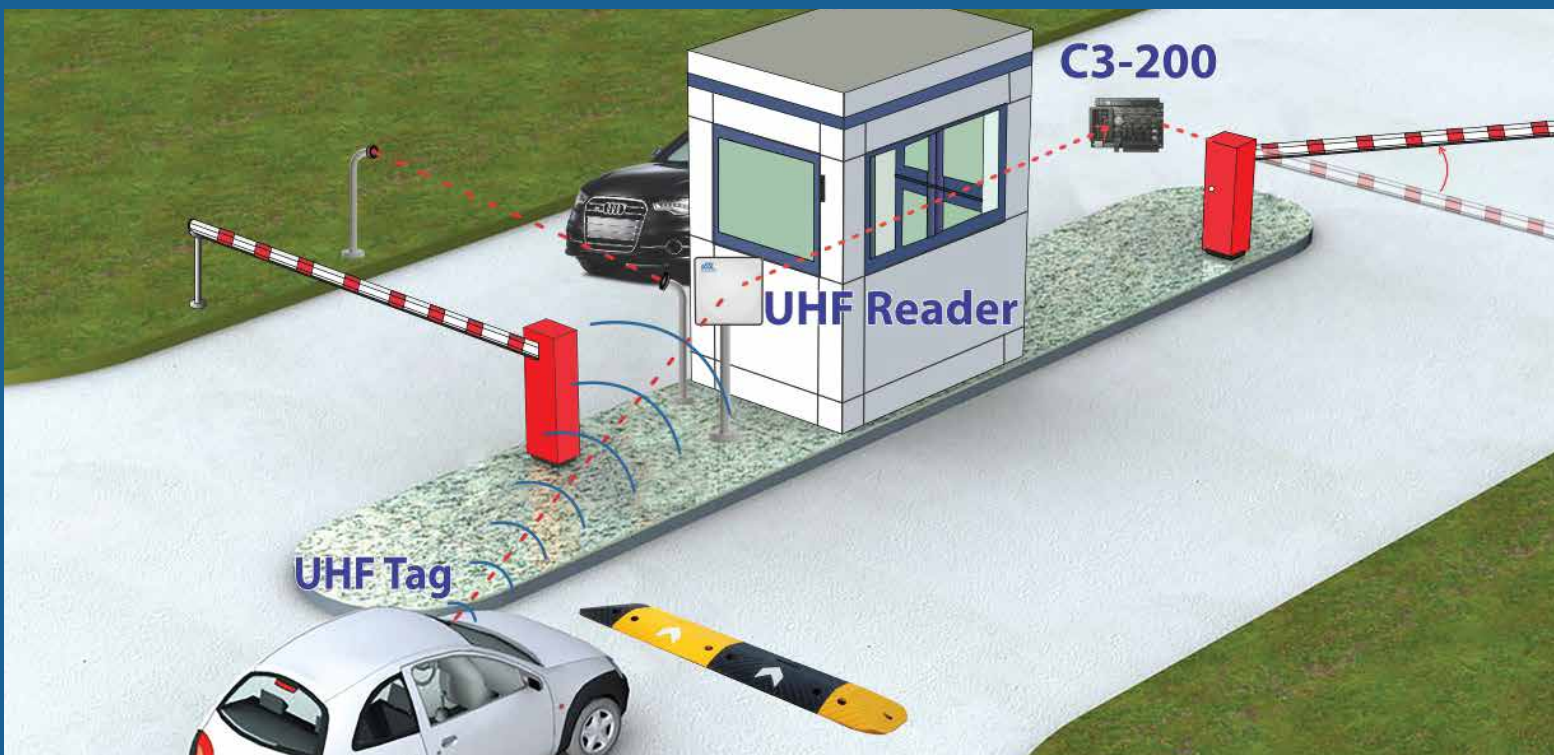
SB - TL - 129

Passage Width (Max) : ≤ 450mm | Throughput Rate : 35 P/M
 Power Supply : 100V ~ 240V AC | Operational Voltage : 24V DC
 Max Power Consumption : 30W | Frequency : 50Hz ~ 60Hz
 Protection Level (IP) : ≥ 44
 Working Temperature : -25° ~ +70°
 Electro-Magnetic Drive : DC
 Dimension Excluding Bars : 480 x 280 x 1050 mm
 New Weight (Including Bars) : 40kg



SB - TL - 129

Swing Barrier



PB100

Maximum length of Boom : 6M (Optional 3m/4m)

Specification

Arm material : Aluminium
Time for Up/down : 2s (for 1 - 3 m), 6s (for 4 - 6m)
Input control signal : Dry Contact
Ingress protection Degree : IP54
Input Interface for : Photocell, Air switch & Loop detector(Optional)
Output interface for : Lamp (Optional)
Optional Interface : Access control panel, Standalone Access Control, Control button (eg: X990)
Remote Control Upto 25 meters
Mode : Automatic/Manual
Incorporated control panel with : 3 push buttons (stop/up/Down) to control the motor
Bumping bounce back : Yes
Auto closing time : 1 - 80s
SMPS - Input : AC 220V / 110V, 50Hz / 60Hz
Motor power : 90W, 220V AC
Dimension(mm) : 268 X 348 X 1050
Operating Temperature : -20°C to +50°C

PB108

Maximum length of Boom : 3m (Expandable upto 8m)



PB100

PB108

Full Height Turnstile - Single Door

FHT-TL-139 & FHT-TL-149

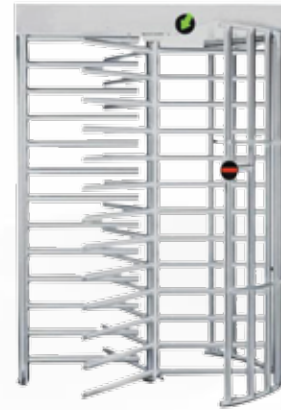
Power Supply : 100V ~ 240V AC | Control Circuit : 24V DC
Power Consumption : 30W | Operating Temper range : -25°C to +70°C
Protection level (IP) : ≥ 44 | Hydraulic damper : Adjustable
Solenoid : 24V DC 100% | Throughout : Person
Signal Output : 12V Pulse
Communication Interface : RS485 or TCP IP
Passage width : ≤ 650mm | Frequency : ≤ 50Hz or 60Hz
Electro-magnetic drive : DC

Features:

Designed for secure operation wish aesthetics inland
Corrosion protected S/S frame, Minimal exposed hardware
Heavy Gauge materials ASTM Standard, Consists of rotor assembly, shield Assembly, barrier section, mechanism housing & ceiling plate
The barrier can be set to delay closing in 1 ~ 60s after a valid card reading
Single passage in the set direction, Free passage in the direction,
Always free or locked



FHT-TL-149
(No of arms : 4 arms)



FHT-TL-139
(No of arms : 3 arms)



Fingerprint



Access Card



Face Recognition



Push Button

Model	Door	N0. of Arm	Section version	Rotational Direction
FHT-TL-139	Single	3	120	One Way Bi-Direction
FHT-TL-149	Single	4	90	One Way Bi-Direction

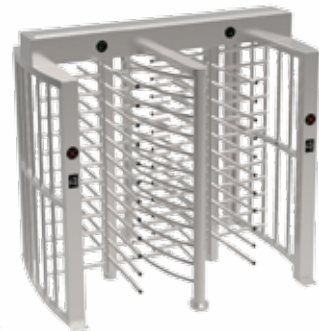
Full Height Turnstile - Double Door

FHT-TL-239 & FHT-TL-249

Frame : 304 Stainless steel | Rotation Direction : A. Bi-Directional
Signal Source : 1. Dry contact | 2. High-low-level signals
Power Supply : AC220V±10%, DC24V3A±10%, DC12V, 3A±10%
Environment : Indoor/Out door | Temperature : -30°C to 80°C
Switching Time : 1s | Traffic Speed : 25 person per Minute
Fault Status : Power-safe and Giving a free exit/entry path
Movement failure rate : 500 million trouble-free | Card Reader Location : 4
Optional Feature : IC/ID reader, Barcode Reader, other R/W equipment, UPS, Infrared detector



FHT-TL-239
(No of arms : 3 arms)



FHT-TL-249
(No of arms : 4 arms)



Fingerprint



Access Card



Face Recognition



Push Button

Model	Door	N0. of Arm	Section version	Rotational Direction
FHT-TL-239	Double	3	120	Two Way Bi-Direction
FHT-TL-239	Double	4	90	Two Way Bi-Direction

Features:

Designed for secure operation wish aesthetics inland
Corrosion protected S/S frame | Minimal exposed hardware
Heavy Gauge materials ASTM Standard | Consists of rotor assembly, shield Assembly, barrier section, mechanism housing & ceiling plate
The barrier can be set to delay closing in 1 ~ 60s after a valid card reading
Single passage in the set direction
Free passage in the direction | Always free or locked

FHD-2L-RAY-Series

FHD-2L-RAY-B1-3.6 & FHD-2L-RAY-D1-3.6

Image sensor : CMOS sensor
 Effective Pixels : 1920(H) x 1080(V)
 S/N ratio : >50dB
 Video Output : 1.0Vp-p, 75ohms
 Lens : 3.6mm
 Max Aperture : F1.2
 IR Range : 20m
 Day/Night : Auto(ICR)/color/BW
 Power Supply : DC12V, 2A
 Power Consumption : 2W
 Temperature : -10°C to + 40°C
 Humidity : < 90%
 Weight : 500g (FHD-2L-RAY-B1-3.6)
 Weight : 200g (FHD-2L-RAY-D1-3.6)



FHD-2L-RAY-B1-3.6



FHD-2L-RAY-D1-3.6

H-Series

H-B1-IR-2MP-3.6 / H-D1-IR-2MP-3.6

Image Sensor : 1/2.7" 2.0M CMOS
 Lux : 0.05Lux@F1.2 (Color Mode); 0.01Lux@F1.2(B&W); 0Lux (IR on)
 WDR Range : 96dB, SN Ratio : ≥41dB (AGC OFF)
 Noise Reduction : 2DNR, 3DNR
 Exposure Mode : Program mode (customizable shutter interval),
 shutter mode (1/5 - 1 / 20,000s), slow shutter mode
 Compression : H.264 Main profile / M-JPEG
 Max Pixels : 1920x1080@60fps, Range : 32Kbps ~ 10Mbps
 ONVIF Protocol : ONVIF2.4, Power : 12V DC, 2A
 Working Temperature : -20°C to 60°C



H-D1-IR-2MP-3.6



H-B1-IR-2MP-3.6

H-D1-IR-2MP-AF & H-B1-IR-2MP-AF

Image Sensor : 1/2.7" 2.0M CMOS
 Lens : 2.8 - 12 Motorized Lens
 Lux : 0.05Lux@F1.2 (Color Mode); 0.01Lux@F1.2(B&W); 0Lux (IR on)
 WDR Range : 96dB, SN Ratio : ≥41dB (AGC OFF)
 Noise Reduction : 2DNR, 3DNR
 Exposure Mode : Program mode (customizable shutter interval)
 shutter mode (1/5 - 1 / 20,000s), slow shutter mode
 Compression : H.264 Main profile / M-JPEG
 Max Pixels : 1920x1080@60fps | Range : 32Kbps ~ 10Mbps
 ONVIF Protocol : ONVIF2.4 | Power : 12V DC, 2A
 Working Temperature : -20°C to 60°C



H-D1-IR-2MP-AF



H-B1-IR-2MP-AF

IP Camera



X-Series HDVR 16 CAMERAS



X-Series HDVR

X-HDVR-04/08/16/32-S

Video Encode & Decode : 4/8/16/32 x AHD-H

Video Codec : H.264 (X-HDVR-32-S)

Audio Compression : G.711A

Audio Input : 2ch RCA

Audio Output : 1 CH RCA

Video input : AHD/Analog -4Ch IP - 8Ch, AHD + IP = 2Ch + 2Ch*

Hard disk : 1 SATA (Each maximum support 6T)



X-HDVR-04/08/16/32-S

NVR / HVR

X-Series NVR

X-NVR-32-4S

Video Input : 24ch5M/32ch4M/16ch1080P

Playback : 4ch5M/9ch4M/16ch1080P

Decode : H.265/H.264 | Compression : G.711a

Ethernet port : 1 x RJ45 1 x 10/100/1000Mbps

Ethernet port, POE ports : N/A | Alarm I/O : 1/1 Alarm I/O : 16/4

USB Port : 2 x USB2.0 ports, 1 x USB3.0 ports

HDD : 4 x SATA interface (Up to 24TB)

Power Supply : 12V/6A | Consumption : <10W (Without HDD)



X-NVR-32-4S

PTZ

HD-AVI-PTZ-1.3MP

Sensor : 1/3" CMOS
Effective Pixels : 1280 x 960
Minimum illumination : 0.01Lux B/W:0.001 Lux
S/N Ratio : >50dB, Lens : Motorized/Auto Iris(DC)
Electronic Shutter PAL : 1/50 ~ 1/10000s,
NTSC : 1/60 ~ 1/12000s
Focus Length : 5 ~ 90 mm, Protection IP : IP66
Optical Focus : 18x IR Range : 150M
Horizontal Range : 360° Continuous Rotation
Vertical Range : -90° to - 0°



HD-AVI-PTZ-1.3MP

IP Camera

X-Series

X-IP-PTZ-1.3-18X / X-IP-PTZ-2.0-18X

Image Sensor : 1/3"low illumination CMOS
Image Sensor : 1/2.8" SONY CMOS (X-IP-PTZ-2.0-18X)
Video Format : PAL/NTSC
Image Resolution : Main stream:1280x960,
1280x720; Sub-stream(D1)_1.3
Image Resolution : Main stream:1920x1080; Sub-stream (D1)_2.0
Lowest Illumination : Color 0.2Lux @(F1.6,AGC ON),
0 LUX with IR ON
B&W 0.1 Lux @ (F1.2,AGC ON),0 LUX with IR ON
DNR : 2D/3D Noise Reduction
Day and Night Mode : Support IR-CUT
Focal Length : 4.7mm ~ 84.64mm (F1.6~F3.6)
IR Distance : 120m (9 led lambs 150m 30x optical zoom - X-IP-PTZ-2MP-30X)
Power : DC 12V±10% / 4A
Power Consumption : ≤35W
Temperature : -30°C to 65°C | Humidity : <90% RH
Protection Class : IP66 full dustproof, waterproof



X-IP-PTZ-1.3-18X



X-IP-PTZ-2MP-30X



X-IP-PTZ-2.0-18X

DL30B



**Password / Card / key
Smart phone Lock System**

Password / Card / key / Smart phone Lock System

DL30B

Material : Zinc Alloy | Password capacity : 100
Card capacity : 100 | Card Module : ID
Wireless Module : BLE4.0
Power Supply : 4xAA Alkaline battery (NOT supplied)
Door Thickness : 30-38 mm (standard) | 39-46 mm (standard)
47-54 mm (standard) | 55-60 mm (optional)
Dimensions : Front: 69(W)× 155(L) ×35(D)
Back : 69(W) ×155(L) ×25(D)



DL30B

Intelligent Fingerprint & Card Door Lock System

ML10-ID

Material : Zinc Alloy
Mortise : American standard single latch
Fingerprint Sensor : 500 DPI Optical Sensor
User Capacity : 180
Fingerprint : 90
Card : 90 | Admin : 20
Normal User : 120 | Temporary User : 40
Backup unlock mechanism : 9V battery, Mechanical key



ML10-ID

Intelligent Fingerprint Wireless Lock System

ML10-DB

Material : Zinc Alloy

User Capacity : 90 | Admin : 10

Normal User : 60

Temporary User : 20

Temperature : -20°C to 55°C

Power input : 4 x AA alkaline Battery

Backup unlock mechanism : 9V battery, Mechanical key

iOS OS Requirement : 7.0 and above

Android OS Requirement : Android 4.3 and Above

Bluetooth Requirement : Bluetooth 4.0

Use Your Mobile as a Remote Key



ML10-DB

Intelligent Fingerprint Door Lock System

TL 200

Materials : Zinc Alloy

Fingerprint Capacity : 100

Password Capacity : 100 | ID Card Capacity : 100

Backset : 60 mm

Batteries : 8xAA Alkaline battery (NOT supplied)

Battery life Over 6000 times (approx 8 months)

Dimensions : Front - 75(W)×360(H)×36(D) mm

Back - 75(W)×360(H)×36(D) mm

Door Thickness : 35 - 90 mm

Color Type : Antique Copper/Dull Nickel/ Champagne Gold



TL 200

TL100

Material : Zinc Alloy

Mortise : Robust & safe anti-theft

Fingerprint Sensor : 500 DPI Optical Sensor

Fingerprint : 100 | Card : 100 | Password : 2

Identification Speed : ≤ 1.5 sec

FAR : ≤ 0.0001% | FRR : ≤ 1%

Operating Temperature : 0°C to 45°C

Power input : 8 x AA alkaline Battery

Backup unlock mechanism : 9V battery, Mechanical key

Optional : Remote Control Key



TL100

Intelligent Fingerprint Door Lock System

L9000

Material : Zinc Alloy

Fingerprint Sensor : 500 DPI Optical Sensor

Fingerprint : 500 | Password : 100 | Event Logs : 30,000

Identification Speed : ≤ 1.5 sec

FAR : $\leq 0.0001\%$ | FRR : $\leq 1\%$

Operating Temperature : 0°C to 45°C

Operating Humidity : 20% - 80%

Power input : 4 x 1.5v AA alkaline Battery

Backup unlock mechanism : 9V battery, Mechanical key

Optional : Remote Control Key



L9000

L5000

Material : Zinc Alloy

Fingerprint Sensor : 500 DPI Optical Sensor

Fingerprint : 500 | Card (Optional) : 100

Password : 100 | Event Logs : 30,000

Operating Temperature : 0°C to 45°C

Operating Humidity : 20% - 80%

Power input : 4 x 1.5v AA alkaline Battery

Backup unlock mechanism : 9V battery, Mechanical key

Optional : Card - ID card, Mifare card,

Key : Remote Control Key



L5000

TL400B

Material : Zinc Alloy

Fingerprint capacity : 100 | Password capacity : 100

Card capacity : 100 | Card Module : ID

Wireless Module : BLE4.0

Power Supply : 4xAA Alkaline battery (NOT supplied)

Door Thickness : 35-50 mm (standard)

50-65 mm (optional)

Dimensions : Front - 72(W)×310(L)×34(D) mm

Back - 72(W)×310(L)×30(D) mm



TL400B

The smart lock with hybrid biometric recognition technology

ZM100

Material : Zinc Alloy
100 User : Face/FP/Password/RFID Card
Card Module : Mifare
Communication : USB
Power Supply : 4000mAh lithium battery
Battery Life : 8000 times
Door Thickness : 35 - 90 mm
Dimensions : Front - 78(W)×350(L)×44(D) mm
Back - 78(W)×350(L)×34(D) mm

Functions

- Accurate and high-speed face recognition in 1:N mode
- Capacitive touch screen with visual icon menu
- Equipped with SilkID fingerprint sensor
- Provide high security unlock way by safety mode - Face+Fingerprint
- Rechargeable lithium battery
- Reversible design to fit for all door open direction
- External terminals to draw back-up power from a 9V battery
- Smart alarm for low battery & illegal operation & Anti break-in
- Supported passage mode



ZM100

Intelligent Face Door Lock System

FL1000

Material : Zinc Alloy
Face : 100 | Card (Optional) : 100
Password : 100
Event Logs : 30,000
Communication : USB
Power input : 8 x 1.5v AA alkaline Battery
Backup unlock mechanism : 9V battery, Mechanical key
Dimension (L x W x H) : 327 x 74 x 58mm
Backset : 55mm
Optional : Card - ID card, Mifare card, Remote Control Key



FL1000

Intelligent Hotel Door Lock System

LH3000 & LH3600

Software : Hotel Management Software

Card Type : ISO14443 (RFID) Type-A S70 4KB/ S50 1KB

Operating Temperature : 0 to 45°C

Package Dimension : 410×218×145 mm

Door Thickness Require : 35-55 mm



LH3000



LH3600

LH5000 & LH5000-M

Material : Zinc Alloy | Metal (LH5000-M)

Mortise : U.S Mortise with 5 latches

Power supply : 4 AA batteries | Temperature : 0°C to 45°C

Humidity : 20% - 80% | Backup : Mechanical key

Software :

Type : Hotel management software

Database : MSSQL 2005 & above version

OS : Windows XP/Vista/Windows7

and above versions

Card type : Mifare card : S50, S70 (for Record Card)

Card Reader & Writer : Special Hotel lock Encoder



LH5000



LH5000-M

Accessories for Hotel Lock

CR 50W-Encoder



Card Type : Mifare Card S50 & S70

Frequency : 13.56 Mhz

Interface : USB

Working Voltage : DC5V (±4%)

Static Current : 65 mA

Working Current : 80 mA

Energy Saving Switch



Card Type : Mifare Card Only or Any Card

Working Voltage : AC220V, AC110V

Load Working Current : 30 A

Power Consumption : 22 W

Static Current : 100 mA

Delay Time : 12 seconds

Mifare card



13.56Mhz Mifare

1Kb & 4Kb Card

Sensing Distance : 30 ~ 50mm

Dimension : 2.127 x 3.375 x 0.033

Max (5.40 x 8.57 x 0.084 cm)

Presence of eSSL in India

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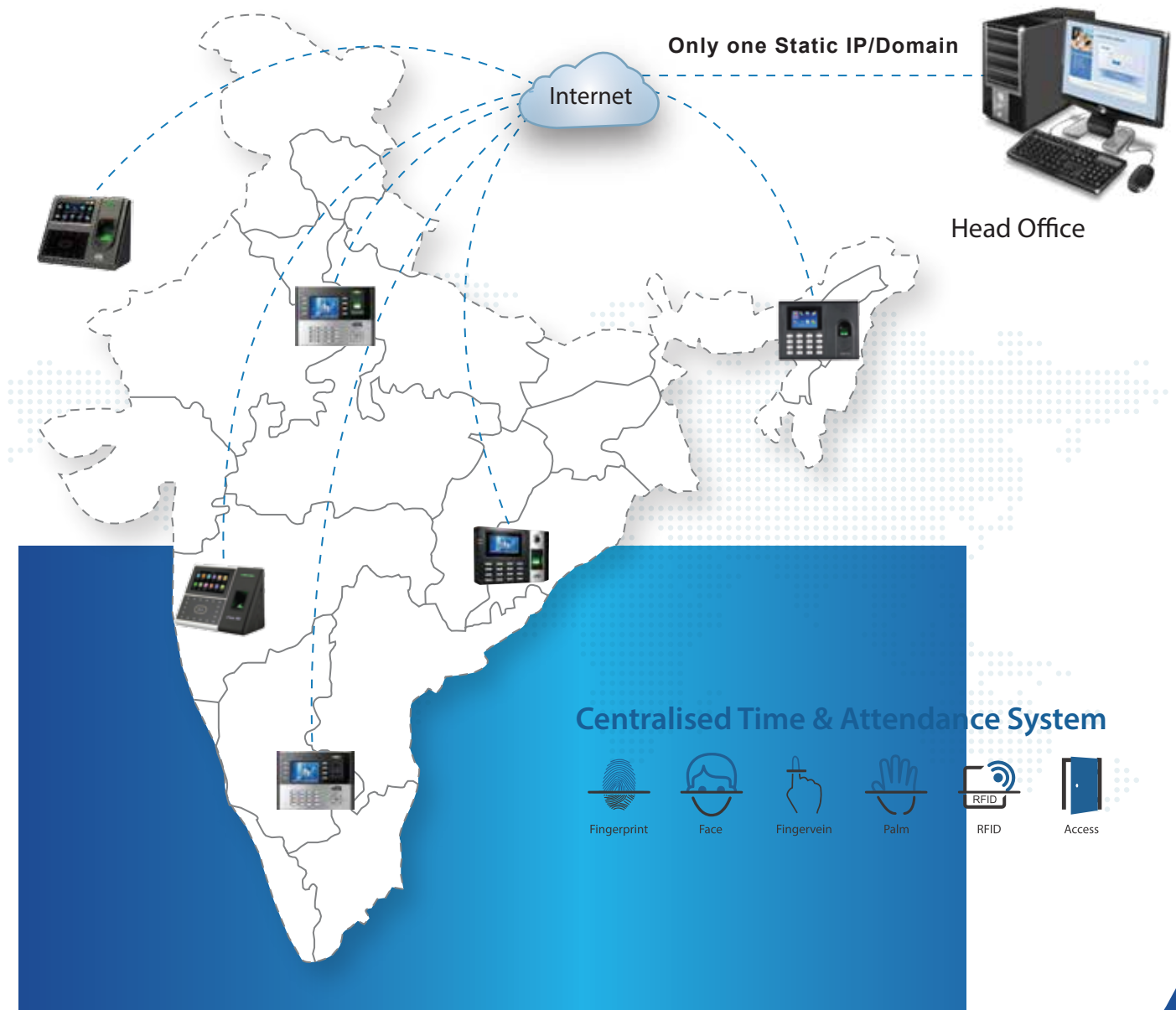
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Our Clients



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