• 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
eSSL Support Management System

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
**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/ SilkdID 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:** 1,000,000
- **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
**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

**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

**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: 1.2GHz | 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
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
- **Operating Temperature:** -20°C to +50°C, 90% r.h.

**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

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**Silk ID Sensor**

- **Quick Recognition of Dry, Wet & Rough Fingers**
- **New Arrival**

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Baggage Scanner

Dual Energy X-ray Inspection System

eSSLX-6550

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 Ø1.0mm \ Vertical Ø2.0mm
- Penetration 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)

Applications:
- Exhibition Center
- Bank
- Electronic Factory
- Hotel
- Government office

Disclaimer: Specifications can be changed without prior notice. Visit us at: www.esslsecurity.com
**Single Energy X-ray Inspection System**

**Specifications**
- **Tunnel Size**: 507mm (Width) × 305mm (Height)
- **Speed**: 0.20m/s
- **Height of Transmission Belt**: 1000mm
- **Maximum Load**: ≤120 kg (Adequate distribution)
- **Wire Resolution**: 34AWG (0.16mm metal wire)
- **Space Definition**: Horizontal Ø1.0mm Vertical Ø2.0mm
- **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**

**Specifications**
- **Tunnel Size**: 507mm (Width) × 305mm (Height)
- **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 Ø1.0mm Vertical Ø2.0mm
- **Penetrate Definition**: 32 AWG
- **Penetration**: 32mm Steel board
- **Monitor**: 17inch 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**: 0.1 μ 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)
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**: 2260x650x260mm x1ctn
- **Package size for control unit**: 780x390x250mm x1ctn
- **Standard External size**: 2220mm(H)x810mm(W)x600mm(Deep)*
- **Standard Internal size**: 1990mm(H)x700mm(W)x500mm(Deep)*
- **Gross weight**: 70KG

<table>
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<tr>
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<td>3.7 inch LCD</td>
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<tr>
<td>D3180S</td>
<td>5.7 inch LCD</td>
<td>18</td>
<td>256</td>
<td>✓</td>
<td>2000x700x605</td>
</tr>
</tbody>
</table>

**Applications:**
- Exhibition Center
- Bank
- Electronic Factory
- Hotel
- Government office

**Hand Held Metal Detector**

**D180**
- **Dimension**: 345(L) X 69(W) X 25(H) mm
- **Power Voltage**: standard 9V battery
- **Operating Voltage**: 7V-12V
- **Operating Current**: <5mA
- **Alarm terms**: Sound & light alarm/ Vibration & light alarm
- **Alarm sound**: ≥75dB(A)
- **Operation frequency**: 22KHz

**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 : ≥75dBA
- **Operation Frequency**: 40KHz

**HHMD prevents:**
- Knife
- Cellphone
- Battery
- Lighter
- Paper Clips
- Coins
- Staple Pins

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Standalone Fingerprint Time Attendance & Access Control System

**X990**
- Fingerprints Users: 10,000 | Card Storage: 10,000
- Transactions Storage: 1,000,000
- 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)

**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

**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
- Scheduled Bell/Speaker: Mini Speaker ,
- Optional (Mifare / HID Prox / HID iclass)
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

**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%

**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)
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

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 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 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
Face & Finger Time Attendance & Access Control System

MultiBio-700

- Fingerprint 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

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, 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 Cards, Work Code
- Power Supply: DC 12V 1.5A

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
SilkBio-101TC

- Face Capacity: 2,000
- 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, Automatic Status Switch, Photo ID, T9 Input, Camera, 9 digit user ID, Built-in Battery, Multiple Verify Mode
- Access Control Interface: Lock, Door Sensor, Exit Button, Alarm

SilkBio-100TC

- Face Capacity: 800
- 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

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

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
Single Door RFID Based Access Controller

SA31-E
Card Storage: 1000 users
Operating Voltage: DC 12V ± 10%
Operating Current: <100mA
Card Type (alternative): EM(ID) card
(ICC card for options)
Access by: RFID
Card Reading Distance: 1 - 15CM

SA32-E
Card Storage: 1000 users
Operating Voltage: DC 12V ± 10%
Operating Current: <100mA
Card Type (alternative): EM(ID) card
(ICC 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
(ICC 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 1Gen 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,Sigle tags)
Accessories

- KR 500-E/M (wiegand)
- Exit Switch
- No Touch
- KR503E/M (RS 485)
- F12
- 101-HE
- FR1500
- 101-HE FR1500

- ZL-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

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**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

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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
LX 16

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
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 : 0°C to 45°C
Operating Humidity : 20% - 80%
Dimension : 185 x 140 x 30 mm

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

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

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

Disclaimer: Specifications can be changed without prior notice.
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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-From 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/siren, 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**
- 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/siren, 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
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)

**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

**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
- EC16 can connect with the master controller to control another 16 floors.

Disclaimer: Specifications can be changed without prior notice.
Visit us at: www.esslsecurity.com
**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
Oneway Vertical Tripod Turnstile

**TS 1000**

Type: Vertical Tripod  |  Arm Length: 50cm  
Max Tolerance of Arms: 80 Kg  |  Angle per rotation: 120°
Operation Type: One-way - 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

**TS 1000 Series:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Tripod Turnstile</th>
<th>RFID</th>
<th>FP+RFID</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS 1000</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>TS 1011</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>TS 1022</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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: One-way - 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

**TS 2000 Series:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Tripod Turnstile</th>
<th>FP+Face</th>
</tr>
</thead>
<tbody>
<tr>
<td>TS 2000</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>TS 2033</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Disclaimer: Specifications can be changed without prior notice.
Visit us at: www.essisecurity.com
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 ~ +70°C
- Electro - magnetic Drive: DC
- Dimension Excluding Bar: 480x280x980 mm
- Net Weight Including Bar: 44kg

**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

**ET2000**
- Passage Width: <550mm
- Throughput rate: 35p/m
- Power Supply: 100~240V
- Operational Voltage: 24V
- 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
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-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 1050 mm
- **New Weight (Including Bars)**: 40kg (FB-TL-119 - L/R)
- **New Weight (Including Bars)**: 40kg (FB-TL-219)

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° to +70°
- **Electro-Magnetic Drive**: DC
- **Dimension Excluding Bars**: 480 X 280 X 1050 mm
- **New Weight (Including Bars)**: 40kg

Disclaimer: Specifications can be changed without prior notice. Visit us at: www.esslsecurity.com
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)

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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 with 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Door</th>
<th>No. of Arm</th>
<th>Section version</th>
<th>Rotational Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHT-TL-139</td>
<td>Single</td>
<td>3</td>
<td>120</td>
<td>One Way Bi-Direction</td>
</tr>
<tr>
<td>FHT-TL-149</td>
<td>Single</td>
<td>4</td>
<td>90</td>
<td>One Way Bi-Direction</td>
</tr>
</tbody>
</table>

**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%, DC24V±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

**Features:**
- Designed for secure operation with 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

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<th>Model</th>
<th>Door</th>
<th>No. of Arm</th>
<th>Section version</th>
<th>Rotational Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHT-TL-239</td>
<td>Double</td>
<td>3</td>
<td>120</td>
<td>Two Way Bi-Direction</td>
</tr>
<tr>
<td>FHT-TL-239</td>
<td>Double</td>
<td>4</td>
<td>90</td>
<td>Two Way Bi-Direction</td>
</tr>
</tbody>
</table>

Disclaimer: Specifications can be changed without prior notice.  
Visit us at: www.esslsecurity.com
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)

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-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
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: 1CH RCA
Video Input: AHD/Analog -4Ch IP - 8Ch, AHD + IP = 2Ch + 2Ch*
Hard Disk: 1 SATA (Each maximum support 6T)

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)
**HD Camera**

**HD-AVI-PTZ-1.3MP**
- Sensor: 1/3” CMOS
- Effective Pixels: 1280 x 960
- Minimum illumination: 0.01 Lux 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°

**IP Camera**

**X-Files**

**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 0.2 Lux @(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

Disclaimer: Specifications can be changed without prior notice.
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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)

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

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**Smart Locks**

### 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

### 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) x 360(H) x 36(D) mm
  - Back - 75(W) x 360(H) x 36(D) mm
- **Door Thickness**: 35 - 90 mm
- **Color Type**: Antique Copper/Dull Nickel/Champagne Gold

**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

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Disclaimer: Specifications can be changed without prior notice.
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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: ≤ 0.0001% | FRR: ≤ 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

**L5000**
- Material: Zinc Alloy
- Fingerprint Sensor: 500 DPI Optical Sensor
- Fingerprint: 100 | 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, Mechanical key
- Key: Remote Control Key

**TL400B**
- Material: Zinc Alloy
- Fingerprint capacity: 100 | Password capacity: 100
- Card capacity: 100 | Card Module: ID
- Wireless Module: BLE4.0
- Power Supply: 4×AA 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
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

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
Intelligent Hotel Door Lock System

**LH3000 & LH3600**
Software: Hotel Management Software
Card Type: ISO14443 (RFID) Type-A S70 4KB/ S50 1KB
Operating Temperature: 0°C to 45°C
Package Dimension: 410×218×145 mm
Door Thickness Require: 35-55 mm

**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
Card type: Mifare card: S50, S70 (for Record Card)
Card Reader & Writer: Special Hotel lock Encoder

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 mm
Max: (5.40 x 8.57 x 0.084 cm)
Presence of eSSL in India

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Flat No - BS-2, 16 Amar Sthamb Zone - 1, M.P Nagar, Bhopal  
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Mobile : 8095522281

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Telephone:04443558550  
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Shop no. 5, Kataria Market,Sec. 7, Gurgaon  
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Mobile : 9167773111 / 12 / 13 / 15

Mohali:  
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Mohali - 160059, Punjab  
Mobile : 08284900097

Navi Mumbai:  
#120,121, Grow More Tower, Plot no.5, Sector-2, Kharghar  
Navi Mumbai - 410210  
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Pune:  
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Office No 102, Sr No 42/A/3/1 A., Plot No 477, near Hotel Fanchami,  
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Mobile : 8095522230

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