P7
PoE Professional Fingerprint and RFID Access Control
P7 is a new generation access control device of Anviz. The P7 adopts touch activation technologies in fingerprint sensor and keypad for easy for ease of operation. As an access control device, which are designed with PoE communication and access interface separation, the P7 is easy to install and reducing the labor cost. The powerful access control function is noteworthy for P7. Relay output for door control, Wiegand output and group, time zones. Multi communications with TCP/IP, RS485 and Mini USB port. The Alarm push function increases area security.

Touch-On
When you place your finger on fingerprint sensor, sensor will be activated automatically and will awak the device from sleep.

PoE
Power Over Ethernet provides device network communication and the power is sufficient for both device and lock to operate.

Sense-On
When you reach out your hand to touch the keypad, P7 will be activated automatically and ready for your entering.

Easy Installation
The access interface adopts quick install connector, without any tools to finish the wiring of the access control. The P7 with front and rear clamshell design will further simplifies installation operation for installer.
# BioNANO - The core algorithm

BioNANO is applied in all Anviz biometric-based products used for identification.

- Independent research and development
- Suitable for both wet and dry fingers
- Automatically heals the broken lines in fingerprint images
- Extraction of features in worn fingerprints
- Fingerprint template auto update

## Parameters

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activation Mode</td>
<td>Touch</td>
</tr>
<tr>
<td>Scan Area</td>
<td>22mm*18mm</td>
</tr>
<tr>
<td>Resolution</td>
<td>500 DPI</td>
</tr>
<tr>
<td>Display</td>
<td>128*64 OLED</td>
</tr>
<tr>
<td>Fingerprint Capacity</td>
<td>5000</td>
</tr>
<tr>
<td>Card Capacity</td>
<td>5000</td>
</tr>
<tr>
<td>Log Capacity</td>
<td>Max 50,000 Logs</td>
</tr>
<tr>
<td>Applicable Situation</td>
<td>Max 5000 Users</td>
</tr>
<tr>
<td>Identification Mode</td>
<td>FR Card, ID+FP, ID+PW, PW+Card, FP+Card</td>
</tr>
<tr>
<td>Identification Time</td>
<td>&lt;0.5S</td>
</tr>
<tr>
<td>Communication Interface</td>
<td>RS485, Mini USB Slave, TCP/IP, Wiegand Out&amp;In</td>
</tr>
<tr>
<td>Card Reader Module</td>
<td>EM RFID, Optional Mifare</td>
</tr>
<tr>
<td>Workcode</td>
<td>6-digit</td>
</tr>
<tr>
<td>Short Message</td>
<td>50</td>
</tr>
<tr>
<td>Relay</td>
<td>Relay Output (COM, NC, NC or Direct Lock Control)</td>
</tr>
<tr>
<td>Door Open Sensor</td>
<td>Yes</td>
</tr>
<tr>
<td>Tamper Alarm</td>
<td>Yes</td>
</tr>
<tr>
<td>PoE</td>
<td>Standard IEEE802.3af and IEEE802.3at</td>
</tr>
<tr>
<td>Operating Voltage</td>
<td>DC 12V</td>
</tr>
<tr>
<td>Size</td>
<td>54(w)*170(h)*41(d)mm</td>
</tr>
<tr>
<td>Temperature</td>
<td>-13°F/-25°C~158°F/70°C</td>
</tr>
</tbody>
</table>

## Features

- Using Anviz intelligent core algorithm
- 5000 Fingerprints, 5000 Cards, 50000 Records
- Optical waterproof fingerprint collection device, abrasion resistance, adapt to all kinds of fingerprints
- Touch activation fingerprints sensor and keypad
- Support POE power supply for both device and lock
- RS485, mini USB and TCP/IP communications, Wiegand output
- Directly controlled door lock, grouping management, time setting
- Tamper alarm door magnetic signal interface (known the door open and close state), to support himself back
- Fingerprint, password and card combination of independence and recognition
- Touch the bright background number keys
- High precision OLED displays
- Standard EM the RFID card reader module, optional Mifare module
- Optional waterproof cover, realize outdoor use, IP53
- Software support for period of time, group management, 16 group access permissions, flexible control
- 32 entrance guard time real-time monitoring data, easy to learn and easy to use
Application

Flexible applications such as standalone, secure and network system for different industries.

Network Topology Illustration

Standalone Access Control System

The core part of this system is standalone access control. With the lock directly controlled by the standalone access controller, this system is able to supply easy and safe solution.

Secure Access Control System

The secure system consists of an access controller and reader. Because the lock is controlled by the access controller, this system is more secure and suitable for a single door having higher safety requirement.

Network Access Control System

The network access control system consists of different access control systems such as standalone system, secure system and distributed system. This system is the most professional solution, which best fits projects with multiple requirements.
CrossChex
Access Control and Time Attendance Management System

AIM CrossChex is an intelligent management system of access control and time attendance devices, which is applicable to all Anviz access controls and time attendances. The user-friendly and interactive design makes this system very easy to operate, the powerful function makes this system realize the management of department, staff, shift, payroll, access authority, and exports different time attendance and access control reports, satisfying different time attendance and access control requirements in different complicated environments.

Features
- Manages departments and employees
- Manages devices and access restrictions
- Manages schedules, shifts and reports
- Rules out unauthorized overtime
- Imports/exports data in various file formats, such as CSV, XLS/XLSX, PDF, etc.
- Exports attendance reports to 3rd party accounting/payroll software
- Sends reports via email
- Connect to SQL database or Access database for easy installation and maintenance

* Support all Anviz Biometric/RFID access control and time attendance devices

Simple to Install  Expansion and Integration  Enhanced Security  Types of Reports  Auto Upgrade

Application  Platform Application

Relay  Power DC12V  Exit Button

Door Lock  SC011  P7

CrossChex Standard

Print  Export

Types of Reports

System Administrator
System & Device management

Administrator
Approval Employee management

Employee
Add attendance record Application result enquiry

CrossChex Standard

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