

## Cogent Mini-Gate User Manual

Model: ACD100H

### ■ Operational Instruction



#### 1. Main Interface

Compare personal information in this page.

3 modes:

- 1) Print: Comparison by fingerprint
- 2) Card+Print: Comparison by card and fingerprint
- 3) Card+pin+Print: Comparison by card and fingerprint and password



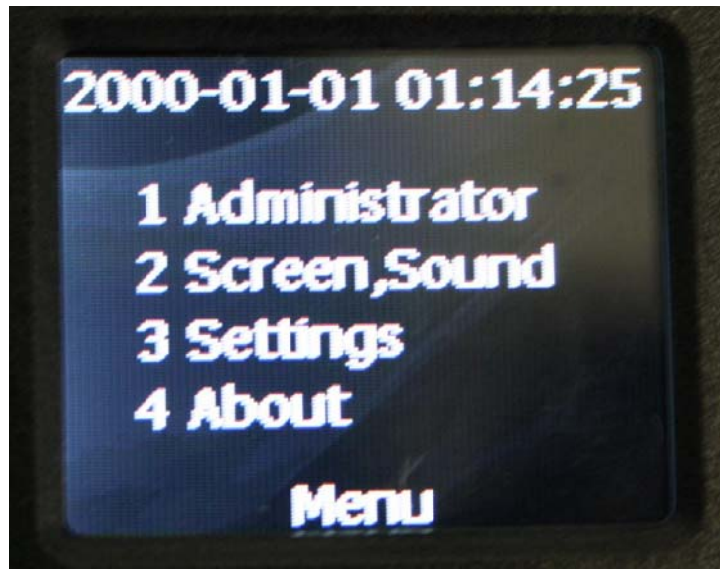
Card and fingerprint Comparison mode

Put Card close to the Card Reading area, and then input fingerprint



Fingerprint Comparison mode

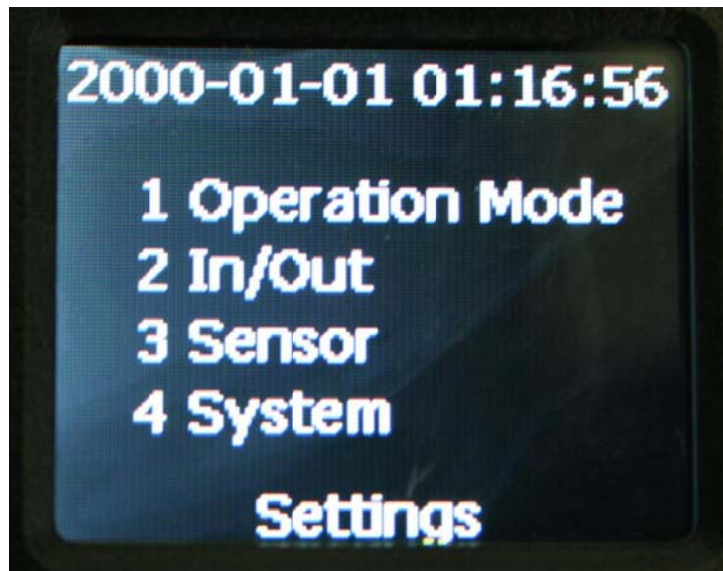
## 2. Menu Interface



Press "Menu", and Transfer main to menu

- 1) Administrator: Set up an administrator user.
- 2) Screen, Sound: Set up time, volume, back light and background theme.
- 3) Setting: Operation Mode, In/Out, Sensor, System
- 4) About: Product information

### 3. Setting

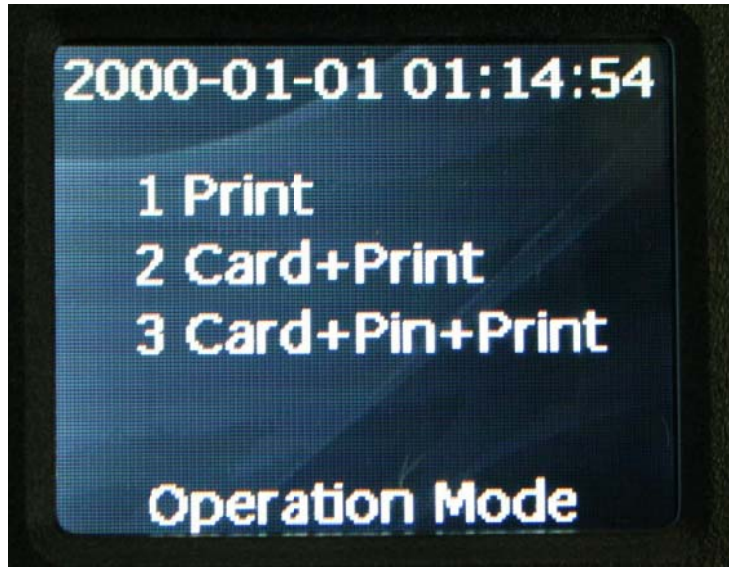


Setting Interface

- 1) Operation Mode: Set up comparison mode
- 2) In/Out: Set up internet

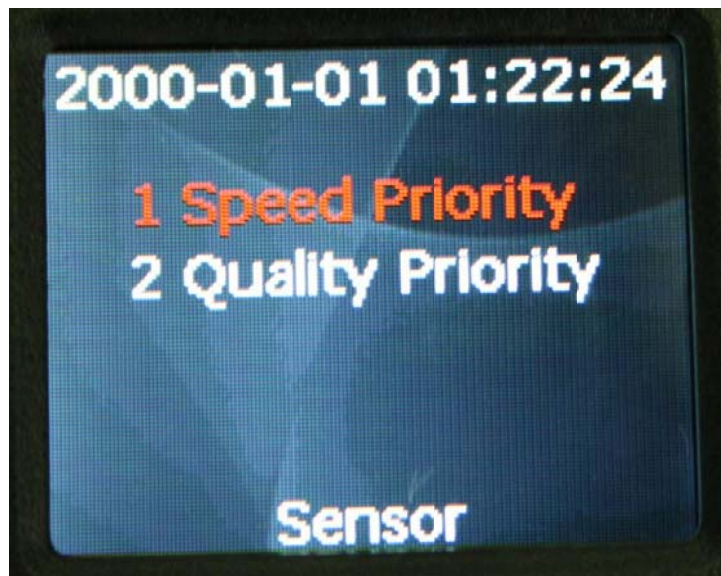
- 3) Sensor: Set up sensor mode.
- 4) System: Set up synchronization and initial.

### 3.1 Operation Mode



Operation Mode: Set up comparison mode, 3 modes: Print、Card+Print、Card+Pin+Print  
In/Out: set up internet

### 3.2 Sensor



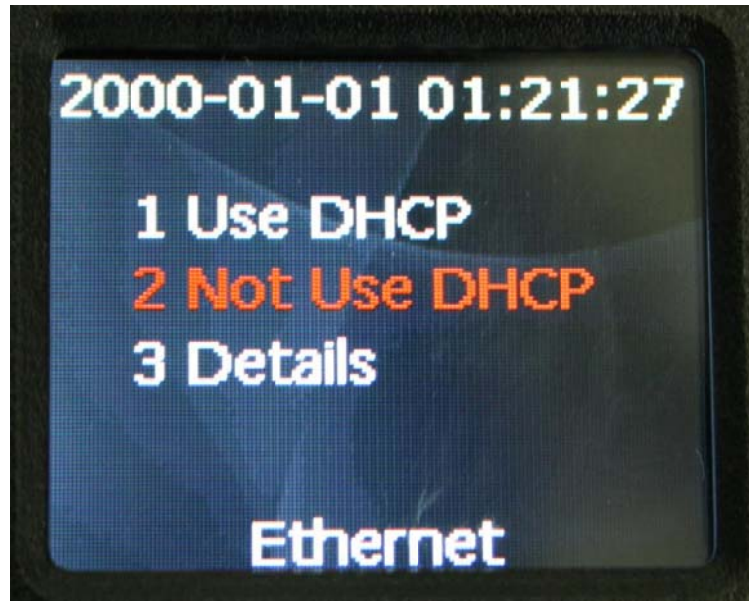
Sensor: set up Sensor mode, 2 modes:



- 1) Speed Priority
- 2) Quality Priority

### 3.3 lo\Out

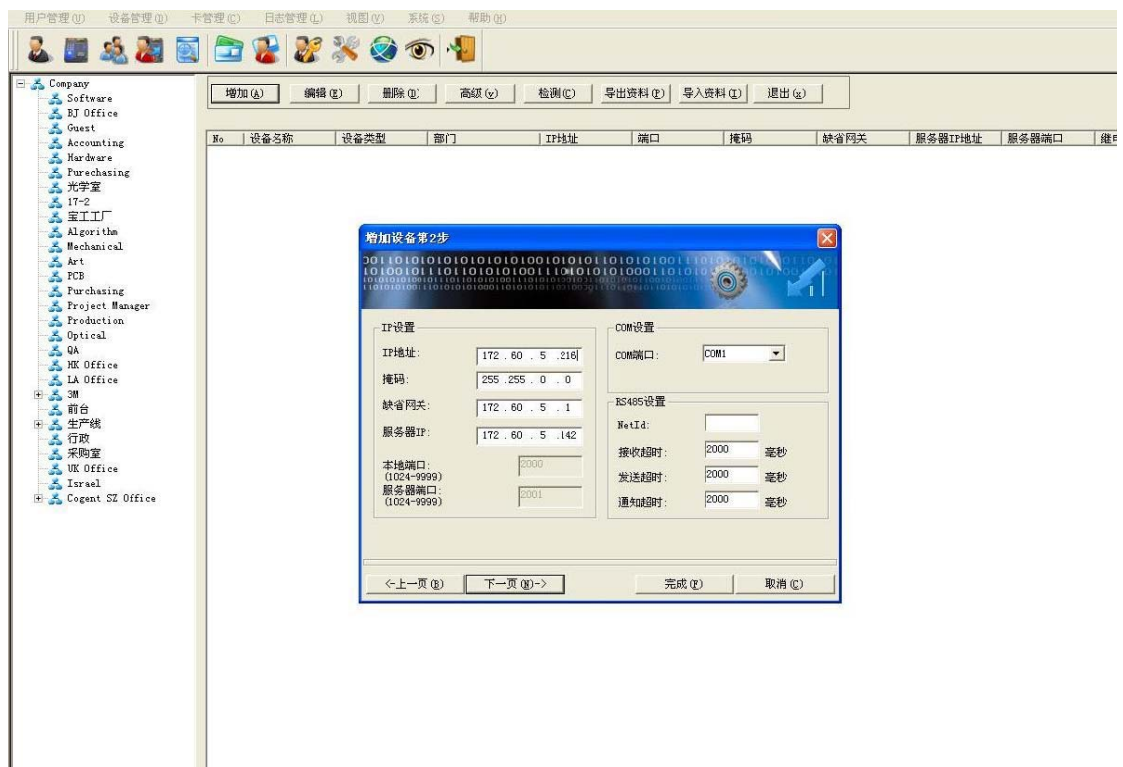
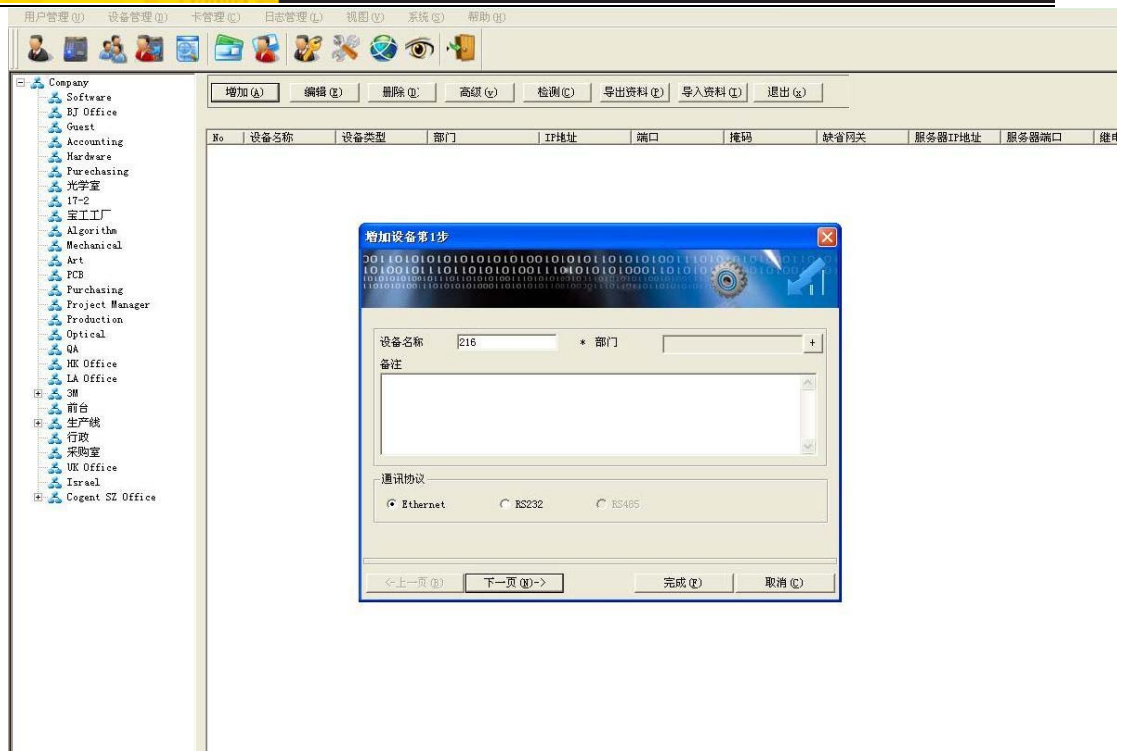
#### 3.3.1 Ipset up



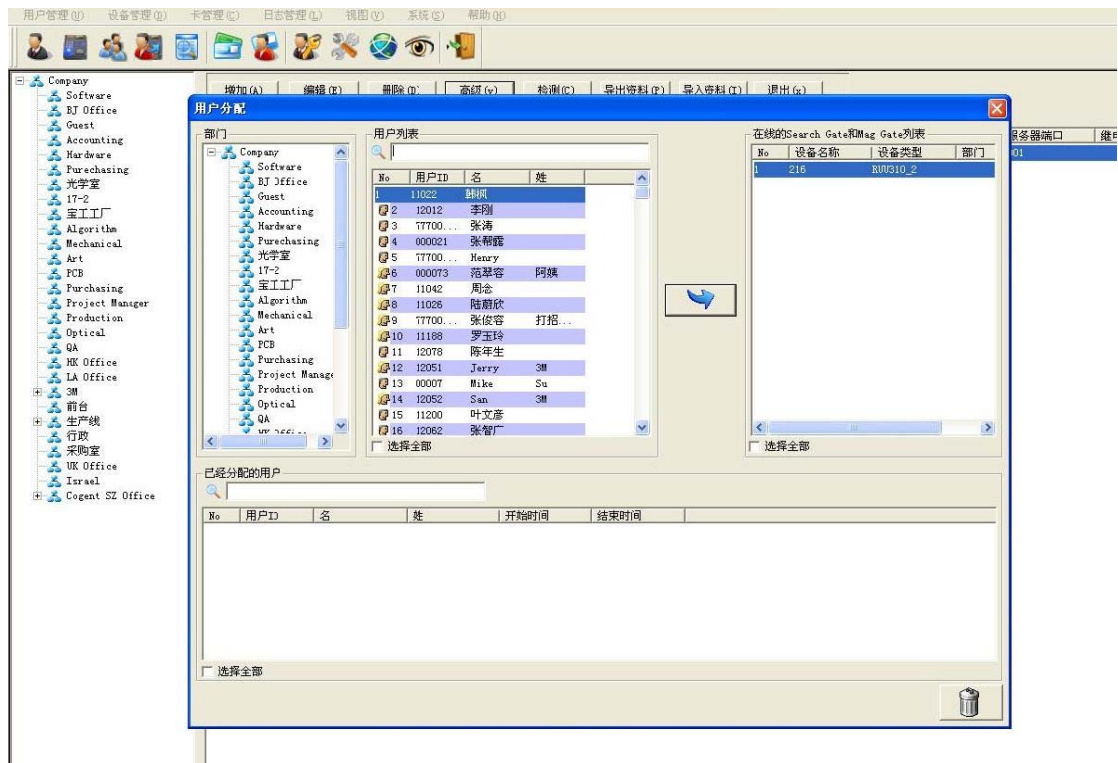
Choose 'Not Use DHCP' and follow instructions to set up IP, Subnet Mask, Gateway, Port

#### 3.3.2 SecarSetup

1. EUT Connetion Connet to internet->Open up SecarSetup on PC

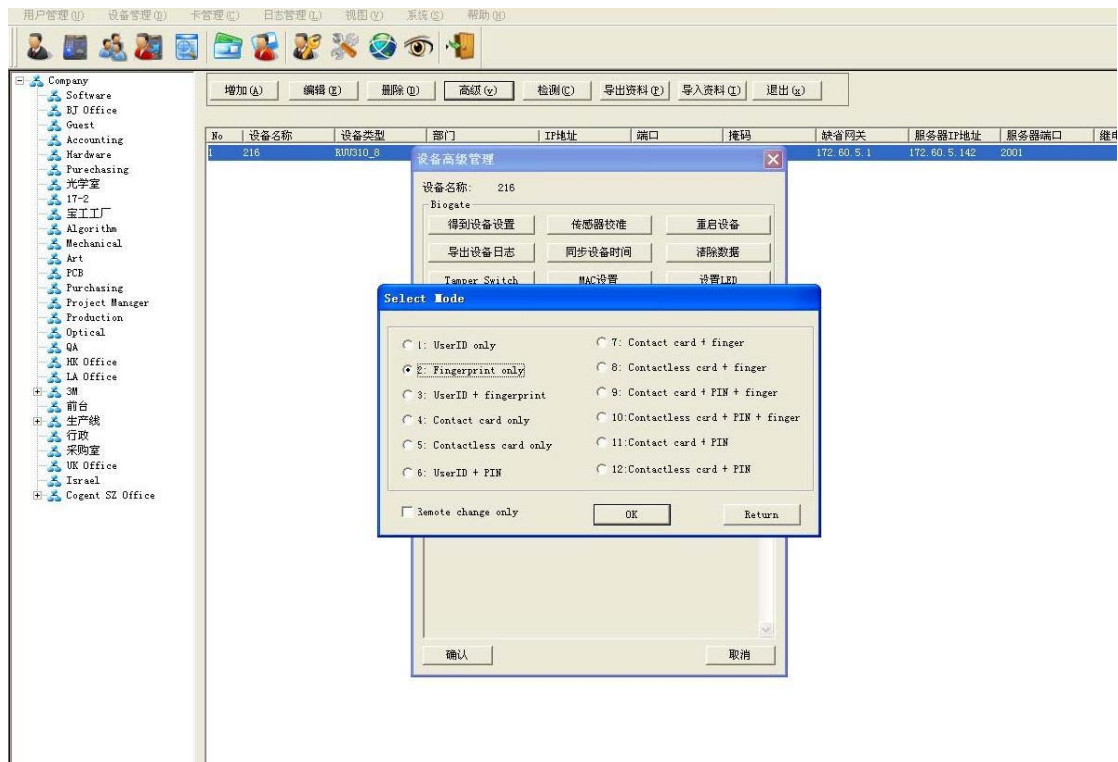
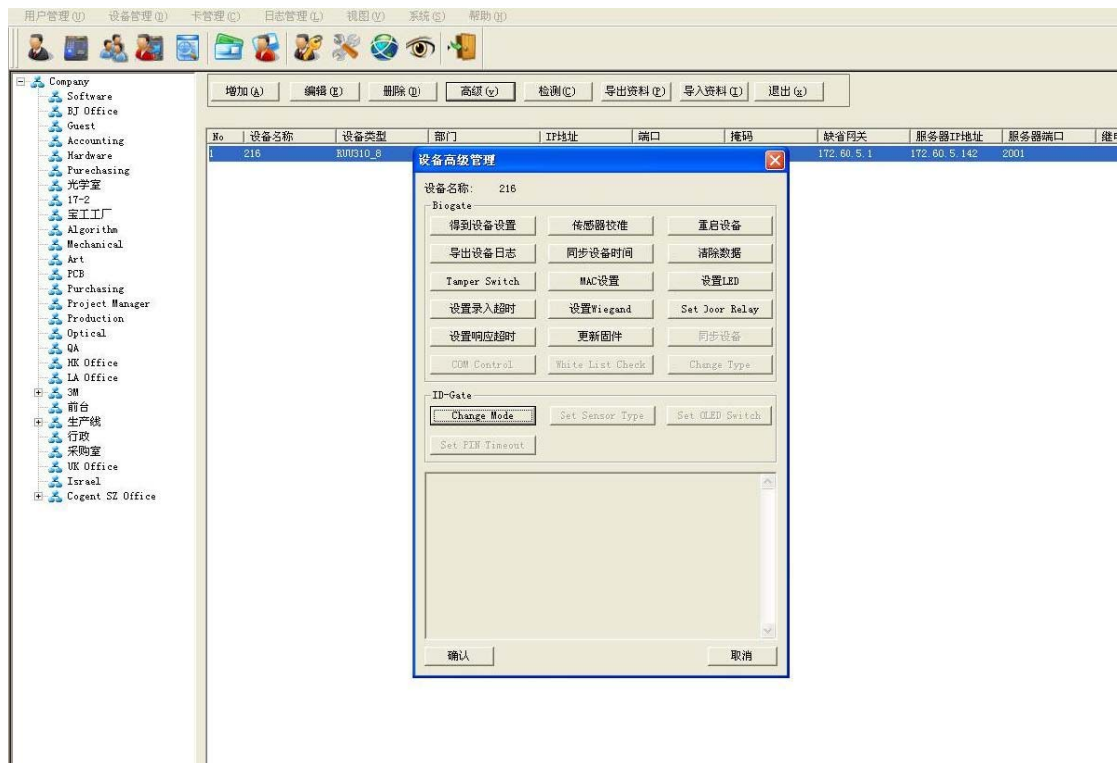


2. User distribution: Transmit fingerprint data to EUT. Be sure it is Print Mode.



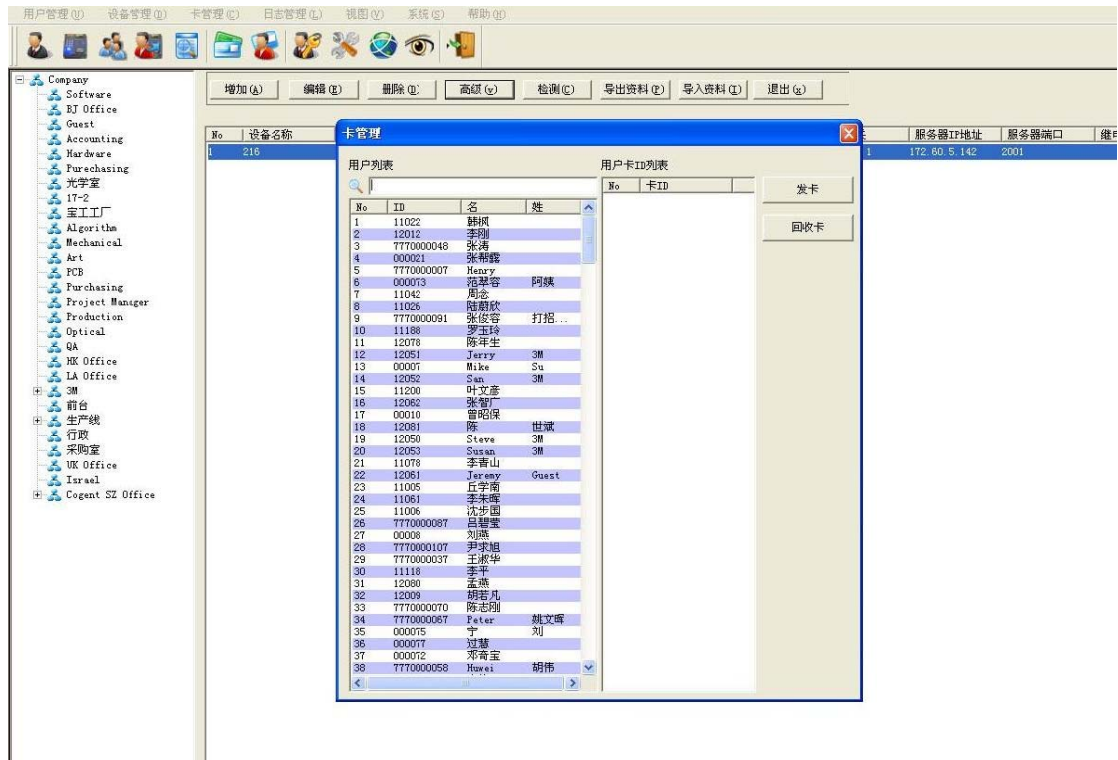
User distribution mode

3. Set up comparison mode by SecarSetup





- Card distribution write personal information into HID Card. Be sure it is 'Card+Print' or 'Card+Pin+Print' mode.



■ Technical data sheet

**Data Issued**

May 12, 2011

**Product Use**



Cogent's MiniBio-Gate offers a complete range of highly sophisticated, accurate, and customizable biometric physical access control terminal that support a variety of environments for which access security is needed

MiniBio-Gate is so-called for portable and housed in rugged plastic casing, provide contactless card, pin combination and fingerprint identification as access ways.

MiniBio-Gate is a fingerprint access device that enhances the security systems of physical access control. Provide with data network interfaces, a keypad and a graphic display screen. People using this device are guided through the authentication or identification process with friendly messages also be used standalone to control the access to a given entry.

**Key Standard Feature & Functionality**

- Powered by Marvell PXA310-B1 806 MHz Processor
- 128 MB DDR/ 128MB Flash for Memory
- Support pin combination and fingerprint and contactless card as access ways.
- Provides the highest level of performance and accuracy available.
- Customizable Wiegand Setup
- SecurSetup Administration Software
- Perfect HID or SCM Reader for users
- Support broadband connectivity through Ethernet

## Technical Specifications

### General Characteristics

- CPU: Marvell PXA310-B1 806 MHz processor
- Memory: 128 MB DDR / 128MB Flash
- Expansion Memory: Micro SD (2GB or higher, internal)
- Display: 1.77 inches TFT Color LCD
- Indication LED: 3 LED
- Keypad: 3\*5 keys
- Audio: Speaker and Microphone
- PC interface: USB2.0
- Output Relay: Available
- Wiegand I/O: Input/output (4 TTL I/O), Programmable Up To 128 bits
- Power: 12V DC/P.O.E optional
- Current: 230mA @ 12V Standby / 450mA @ 12V Operational
- Operating Temperature: 0 ~ 50° C
- Storage temperature: 0 ~ 60° C
- Optical Sensor: CSD100 (500DPI):0.71 \* 0.58 inches (18 \* 14.6 mm)  
352x288 pixels
- Enrollment Method: Single Finger, Multiple Enrollments
- Extraction & Identification Time: ~ 1.5 seconds for 1 : 1
- FRR: FRR 0.1% - 0.001%
- FAR: FAR 0.01% - 0.0001%
- Security Level: Configurable
- Allowable Finger Rotation: +/- 15 degree

<b>RF Card Reader</b>	<ul style="list-style-type: none"><li>● SCM Reader: Mifare / PIV Card, ISO14443A Compliant</li><li>● HID Reader: iCLASS / Mifare / PIV card, ISO14443A Compliant</li></ul>
<b>Network Interface</b>	<ul style="list-style-type: none"><li>● Ethernet: 10/100M bps, TCP/IP</li><li>● RS485: Available</li></ul>
<b>Software</b>	<ul style="list-style-type: none"><li>● Operating System: WinCE 6.0 Core or Linux</li></ul>
<b>Dimensions</b>	<ul style="list-style-type: none"><li>● Length: 180mm</li><li>● Width: 60mm</li><li>● Depth: 42mm</li></ul>
<b>Contact 3M Cogent</b>	<ul style="list-style-type: none"><li>● <a href="http://www.cogentsystems.com">www.cogentsystems.com</a></li><li>● Phone: +86 755-86013579</li><li>● Fax: 0755-86013575</li><li>● Shenzhen Office: 1706 Fiyta Hi-tech Building, 17<sup>th</sup> Floor Gaoxinnanyi Avenue Southern District of Hi-tech Park Nanshan District, Shenzhen, Guangdong, China</li></ul>



## FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.