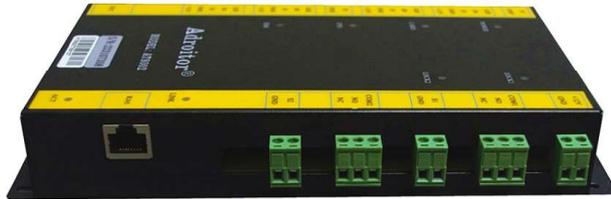


Adroit TCP/IP Access Controller , Model GEE-AT8000



Model: AT8001/ 8002/8004

Type: 1/ 2/ 4 doors controller

Application: Access control

Introduction

GEE-AT8000 series is a high performance access controller, combining access control with alarm monitoring. It supports 1/ 2/ 4 doors access control, up to 40,000 users and remote control via TCP/IP networking. By using its friendly software, user can easily set up multiple functions, like card issuing, time attendance, meal management, patrol, etc.

Technical Parameters

Physical	
Model	AT8001/ 8002/ 8004
Size	220 mm(L) x 125 mm(W) x 35 mm (H)
Interface	TCP/ IP 10M/ 100 M (RJ45)
Weight	650 g
Features	
Power supply	12 VDC, 4 - 7 Amper
Power Consumption	< 200 mA
Input format of reader	Wiegand 26 (4 byte HEX)
Max qty of controlled door	AT8001: 1 door, bilateral pass (support max 2 reader)
	AT8002: 2 doors, bilateral pass (support max 4 reader)
	AT8004, 4 doors, one-way pass (support max 4 reader)
Delay time of Door Opening	1 - 600 second (adjustable)
Qty of Users	40,000

Qty of Event Buffers	100,000
Max communicate distance	100 meters
Alarm	Long time open, illegal break in, fire and thief alarm
Remote control	yes
Interlock	yes
Anti-pass and tail	yes
Urgent unlocking	yes
keypad and password	yes
Interlock	yes
Software	
OS	Windows XP, Vista, 7, 8, Windows 10
SDK	Access control software SQL, SDK and source code
Environment	
Operation Temp	- 40 C- 70C
Operation Humidity	10- 90 % RH, no condensation

Functions

Main Functions	Subfunctions	Description
Access Control	40,000 users	Each access controller can hold 40,000 users, for example, single door controller can manage 40,000 users; for two-door controller, if door #1 manage 15,000 users, then door #2 can manage at most 25,000 cards, so as to the four-door controller..
	100,000 offline event buffers storage	100,000 event buffers can be stored offline. Every event buffer includes informations such as card #, time, address, getting across or not etc. If the storage space overloaded, old information will be deleted automatically so to save space for new records. Your option to activate whether to record button unlocking and alarm information, if unactivated, button unlocking and alarm information will not be recorded.
	Flexible popedom management	You can setup that some specified person can unlock some specified doors, or some one can unlock all doors. Setting result can be arranged according to door or person. User can see clearly which person can unlock which door. Also you can export the report to excel file and print out.
	Time range popedom management	You can set a certain person match a certain door, when this person can unlock this door. Every day can have 3 time range.
	Off line operation	Setup through the software and upload the setting, access controller will save all uploaded popedom and records no matter the software, computer and power supply are on or off.
	Realtime monitoring, photo display, door status display	Real time monitor each card swiping,.. Can display the card holder 's photo which was prestored in the software, so the security guard can check if the card holder is the one intended to unlock the door. If magnete lines are connected, you can check which door is open or close. Valid cards swiping records will be marked in green; invalid card swiping records will be in orange and alarm records will be in red so to call the security guard 's attention. If video monitor device installed, it can record the real time video and photo when you swipe the card.

Real time extraction	Support real time monitoring meanwhile auto records extraction. Each records will be uploaded to computer database instantly.
Compell to lock and unlock	If some doors need to be normal open or normal closing, user can set via the software.
Remote unlocking	Administrator can open a specified door in remote distance through software interface and can be recorded.
Interface locking	If you need to leave the seat for a while, you can lock the control interface, while the software and access control continue to work and others can't revise the setting on the software during your absence. When you return, you can get back to the control interface by password.
Time link	If the time period you need exceeds 3 period (i.e. 8:30-12:00, 1:30-3:30, 4:30-6:30, 7:30-9:30), you can realize this through the time link to get 6 or 9 period or even more.
	If you need different time period in Sat, for exmple, Mon to Friday the time period is 8:30-17:30 but for Sat you need the time period 8:30-12:00, then you can set two different time period, one is Mon to Fri, 8:30-17:30, another one is Sat 8:30-12:00 and then link this two periods.
Individual popedom revision and upload	If some new popedom added or some popedom revised, you can just revise or add and upload these new popedoms, no need to reupload all popedoms, so does the loss register. This can save your time.
Indoor population checkout	Can check out how many people are in one or more specified room and shou the list.
	Example 1, when used in mine, you can know clearly how many people are downside the mine, if emergency, you can make the rescue plan according to information provided, and you can print out the name list of those you are going to rescue.
	Example 2: when used in company office, the boss or the personnel department can know quickly how many people are present, if abnormal, time and attendance report can be generated at once and rule breaker details could be check out quickly.
	Example 3: some companies offer staff meals, then you can check how many people are present and inform the dining room how many food should be prepared.
Quick position	Can check out quickly where a person is and how long he stayed there. In some companies, to keep confidential information, people are not allowed to use cell phone, but you can check out where this person is through his entrance/exit records.
card+password	If keyboard reader used, user can use card+ number to unlock the door, namely, you can set that to open the door the card holder need to swipe the card and then input the correct password, only when both are right the door can be unlocked. Every card can has its unique password. In this case, others can't use your card to unlock the door if they don't know your password. And you also can set that someone need use card+password to unlock a door, but some others only need a card to unlock the door. Password can be 1-6 numbers.
Unlock by manually input card number+password	If you activate this function, then you don't need to swipe the card, only input the card number and password, you can open the door and unlocking records will be stored.
Super password	You can at most 4 super passwords for each door. People only need to input any one of these 4 password to unlock the door. System doesn't record this unlocking information. Password can be 1-6 numbers.
fire alarm and emergency unlocking	If control panel connected with I/O expansion board, then if fire switch signal received the access controller will unlock the doors it controled and can start up the alarm. Alarm information will be recorded.
Linkage output	If control panel connected with with I/O expansion board, then when door is unlocked legally, the controller can drive another relay to take action so to control more devices. For example, there is a customer request when door is unlocked legally, the controller will also start up the street light or or send a open/close signal to camera. Linkage relay action time can be set to 0-600 seconds.

	Alarm for illegal break in	Also called alarm for forced unlocking. Monitoring interface on the software will notice the administrator the alarm time and location and to start up the computer speaker. If I/O expansion board and magnet lines of the door connected, the controller can drive up the alarm devices.
	Alarm for long time unlocking	When door unlocked at a long time or you forget to close the door, the monitoring interface on the software will notice the administrator the alarm time and location and to start up the computer speaker. You can set how long the alarm time is and also how long the door unlocked the alarm will be started.
	Intimidation alarm	You can set a intimidation password which is different with the normal password. When the staff was intimidated to unlock the door, staff can input a intimidation password to unlock the door, but the intimidation unlocking information(time and location) will be seen on the administration center and speakers of the administration center computer will warn the administrator. This function is gear to bank, cash house etc.
	Alarm for invalid card swiping	Namely, try to unlock the door with invalid card(unauthorized card), the monitoring interface on the software will notice the administrator the alarm time and location and to start up the computer speaker.
	Anti-passback and anti-tail	The purpose of anti-passback is to prevent a card holder from passing back his or her card to another person to gain entry into an access-controlled area.
	Interlocking	In some occasions, it is requested that if a certain door is open then the other door can't be unlocked. Two-door controller can realize two doors interlock; four-door controller can realize two doors interlock, three doors interlock and four doors interlock. This function is gear to places where strict access control required such as bank, cashhousing etc.
	Unlock the door by multi-card	In some occasions, it is required that to open the door there must several specified card to swip in sequence. Only one of these certain cards can't open the door. You also can set that to enter the room there must multi card and to exit the room only need a single card.
		This function is gear to bank cash housing, antique collection sites and museums etc.
		You can set to unlock a door there need a group of people swip their cards in sequence or some of people in a group together with some people in another group to swip their cards in sequence. Example: in the bank cashhouse, you can set that to unlock the door there must be 1 of 3 bank governor, 2 of 8 security guard and 3 of 5 money carriers to swip their cards in sequence.
	Normal open and normal closing at certain time	Also called timing mission. Places such as embassy requir normal open at daytime, everyone can enter freely, but off-work time, only embassy staff can use their card to exit, others are not allowed to enter. At night, doors need to keep closing, even embassy staffs are not allowed to exit. Each controller can set at most 64 timing missions. This function can operate offline.
	Record unlocking by button	Time of unlocking by button will be recorded, but can't know who unlocked the door.
	Extraction information from the controller at certain time	You can set when the computer extract information from the controller automatically. And you can set several certain extraction time. But this function requires both the computer and software are in operation.
	Upload popedom at certain time	You can set a certain time to upload the popedom automatically so to save your time. But this function requires both the computer and software are in operation.
	Direct switch to the software interface of housing estate administration center	You can set to switch from the office administration interface to the estate housing administration interface.

	Emergency locking	No need to set on the software, you only need to connect the emergency button with the access controller. When emergency, you only need to turn on the emergency button, then all doors controlled by the controller will keep closing and you can't open the door using the card. When you turn off the emergency button, control system will return to normal operation.
	Sub-sector administration	Some companies request different department control their own access and time attendance. And advanced administrator can control all access and time attendance.
	Video access control	If video equipment connected, it can capture your photos and 3 seconds video record when you swipe the card or turn on the button. It's convenient for the administrator to check if the card holder is the one owns the card. And afterwards you can check the records. But this function requires both the computer and software video supervision interface are in operation.
	E-map	You can import the controlled area's map and mark each controlled door's location. This allows you more direct and humanized administration.
	Swiping card to lock and unlock the door	One swiping is unlocking and one more swiping will be locking.
		Example 1: In some school's audio-visual rooms, you can set only certain teachers can use the projection devices, one card swiping is to turn on the projection devices and another swiping is to turn off. Example 2: In some offices, in the morning the first one swipe the card can unlock the door and in the afternoon the last one swipe the card can lock the door.
	First card unlocking	Example: you can set some cards have the first card unlocking popedom, so in the morning only people who have first card unlocking popedom can open the door.
unlock based on internal and external validation	To unlock the door, one (or more than one) need to swipe the card and the administrator validates the information inside the door, if everything is correct, then the administrator swipes the administrator card on the USB reader.	
Time and attendance	Flexible time setting	You can set how many minutes late will not be counted as late.
	Can define holiday period	You can define the holiday period on the software administration interface
	Define punitive measure	For example: to define how many minutes late or early will be counted as absent
	Can specify a certain door to do time and attendance	Can specify some doors to do time attendance and access control, or some doors only do access control
	Can set the number of daily card swiping	You can set each day at least twice card swiping or four times card swiping
	Flexible Sat time and attendance setting	You can set the weekend to be Sat and Sun, or only Sun etc.
	Can import leave application form, flexibly add and customize the holiday name	Can input affair leaves, sick leaves, evection and yearly leaves etc.
	Can legally do manual sign in	If some one didn't swipe the card or late because of forgivable reason, you can do manual sign in for him.
	Detail time attendance report	You can check and print the report or export to a excel file. Report include details such as on and off time, department and other informtions. You can check time attendance according to department, date etc.
	Detail time and attendance summary report	You can check and print the report or export to a excel file. Employees's montly(or a certain period of time) time attendance report. Also you can summer according to department or person. It can calculate how many minutes late, how many times late, how many times leave early, how many hours overtime work etc. You can choose to print in vertical or horizontal direction.
	Can customize the report form	You can choose to print which item, width, sequence, and even save the form so next time you can use it again.

	Can set that certain person excluded from time attendance list	For example, some special position such as general manager or some position which needs go out frequently, you can set on the software to exclude them from the time attendance list.
	Can set 99 shifts	Besides normal shift, you can set additional 99 shifts
	Support overnight shift	Shift time can be set at 0:00.
	Support shift period turns	Shift period can be defined by yourself.
	Every shifts can set different card swiping times	Each shifts can set to swipe twice, 4 times, 6 times or 8 times, and can set a specified shift as overtime work.
	Can calculate two kinds of overtime work mode:	Postpone over time means employee do overtime but no need to swipe overtime working card, only need to swipe card after overtime work. Example: normal shift is 17:30 off work, you can set overtime work start from 18:00, if employee swipe the card at 18:30, then 30 minutes will be counted as overtime work.
	Postpone overtime and certain time overtime	Certain time overwork, you can specify a certain time period as overwork time, for example, 19:00 to 20:00 is the overtime work period, if the employee swipe card at 19:35, then 30 minutes will be counted as overtime work, if the employee swipe the card at 21:06, then 2hours will be counted as overtime work.
Online patrol	Flexible setting of time discrepancy of patrol time	For example: can set early or late how many minutes will be count as normal patrol, and how many minutes late or early patrol be missing patrol
	Can specify patroller	All staff in the company have card, you can specify which one 's card has patrol function
	Can specify patrol point	There are many control doors but only part of doors are patrol point, you can specify which point to be patrol point
	Can specify patrol route	Set go and return points be Patrol point
	Can specify patrol task	Can set that a specified patoler at which month ,which date and which clock start to patrol which route
	Clear patrol report	Can check all patrol task condition, late, early or miss.
	Patrol report in month or a specified time	Convenient for month summary and temporary selective check patrol quality.
Meal	Can specify to charge every meal or every time swiping the cards	For example, some companies request deduct money each time card swiping; while other companies request in one meal, no matter how many cards swiping only charge once.
	Can specify the ration of breakfast, lunch, dinner and late snack	Can set meal time and meal rate, support 4 meal: breakfast, lunch, dinner, late snack. Rate can be exact to cents.
	Can generate meal report	Can calculate each person 's meal times, total meal times, and total amount
	Can generate detail meal report	Include meal time, numbers, which counter
	Can customize the report form	Detail dining report, support checking according to time, department, people, checking report can be export to excel file, and you can define the printing form.
	Can generate dining sites ' report	Can display each dining site 's meal numbers and total amount, so administrator can easily make evaluation and adjustment. Example, some dining hall have different subcontractor for each dining counter, in this way, according to the report, people can evaluate easily which counter is most popular and how much should charge the subcontractor.
Time attendance	Meeting plan	Can set the meeting name, address, time, beginning and ending time, meeting contents and meeting notice
	Fill out and revise meeting setting	Can set leave application and manul sign in. Can set meeting members and meeting member 's position such as employee, invitation member, auditor etc). Can arrange seat in advance. And when swipe the card, it can display the card holder 's name, ID, photo and seat number.
	Real time summary and projection display	Can make real time projection, display items such as attendance, absence etc, and the summary report can be export into excel file or print out.

Theft deterrence and alarm	Infrared door magnet anti-theft setting	Connect with the infrared sense probe, sense organ or door magnet, if someone break in illegally, the infrared sense organ will start the alarm system.
	24 hours alarm for disasters such as gas and fire	Need to connect with the gas sense organ, smoke sense organ etc.
	Emergency call	Connect with the emergency button, if robbery happen inside the room, people can push the emergency button and alarm will be started.

Application

- Access control
- Conference attendance, Exhibition fair