## Web Server

## user manual

#### Preface

Without the permission, any copy is prohibited.

All the specifications of the products mentioned here are subjected to the real objects. We do not undertake that the real products are consistent with the information. We do not undertake any dispute caused by the disagreement of actual technical parameter and this information. Besides, We are not responsible to notice in advance.

The other brand and product mentioned in this file mean the company (possessing corresponding brand and product) or its manufactured products. We do not possess any privilege of the brand and product belonging to other companies. .

Remote data capturing system on Web Server is based on TCP/IP standard network structure. WEB page request is adopted to process and manage data. It is out of region restriction and it is not necessary to install other software. It can download and manage the data in fingerprint terminal remotely online through IE, NETSCAPE and other browsers. Then it makes various statistic statements for enterprise management and decision-making, achieving information synchronized any time any where and realizing high-efficient management.

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#### 1. Log in Web Server

When Web Server is used, device's IP address should be set firstly.

1. e.g. set device's IP address as 192.168.1.234:

enter device's menu—>setting—>communication setting to find
 IP address.

- press 'OK' to enter input interface, input address 192.168.1.234, and press 'OK' to verify it.
- press 'ESC' to exit communication setting. The device will remind you whether save modification or not. Press 'OK' to save it.
- need to restart the device to make modification come into efficiency.

2. Input <u>http://192.168.1.234</u> in IE address column. Press ENTER to get the following picture:

•	
	welcome
Account Password	management logon
Access & Control Web Server Control Center	

3. To ensure system safe, ID verification needs to be done before entering system. And only default super administrator's account can be used (account: administrator, password: 123456, which can be modified after entering the system).

**Notice:** Capital & small letters are used for password.

### 2. Access to records statements

#### 2.1 Query access records

**[function introduction]**Query in-out record of specified personnel during some period.

#### [operating steps]

1. Click "Query access records";

Jery access records	Time	Period: 2008-1	10-15	Choice 2008-10-16	Choice Cycle : C	ustom 🔽 Enqu
port access record	0	PIN 👻	Name	Card Number	Owned group	User privileges
		1		0	1	Ordinary users
ser modify 🙁		2	-	0	1	Ordinary users
er management		3		0	1	Ordinary users
ntre Id new employees	Γ	4		0	1	Ordinary users
		5		0	1	Ordinary users
cess param 📚		6		0	1	Ordinary users
finition of the time		7		0	1	Ordinary users
riod		8		0	1	Ordinary users
finition Group finition combination		9		0	1	Ordinary users
Thirdon combinedon		10		0	1	Ordinary users
uipment Ma 🔕	Г	11		0	1	Ordinary users
rmal configuration		12		0	1	Ordinary users
tions		13		0	1	Ordinary users
nchronization uipment time		14		0	1	Ordinary users
mmunication rameter settings		15		0	1	Ordinary users
ssword change	Γ	16		0	1	Ordinary users
inagement ipty access records		17		0	1	Ordinary users

#### 2. Input query date range

1) Lay out period's drop-down list, and select date range.

Custom 🛛 🖌
Custom
Today
Yesterday
This week
Last week
This month
Last month

2)Select 'custom' period to define date range, and input date range in time zone selection area.

3. Specify the personnel to be queried

Tick the check box in the front of the personnel list.

· ······				
	1	0	1	Ordinary users

4. Click 'Enquiries' to display in-out record according with conditions on the new page.

1 -				2008-10-19	5 2008-10-16
Date	Access hours	Authentication	State	WorkCode	Terminal name
2008-10-15	17:49:58	Password verification	punch in	0	office
	17:50:01	Password verification	punch out for overtime	0	office
	17:50:03	Password verification	punch out for overtime	0	office
	17:50:04	Password verification	punch out for overtime	0	office
	17:50:06	Password verification	punch out for overtime	0	office
	17:50:07	Password verification	punch out for overtime	0	office
-	17:50:08	Password verification	punch out for overtime	0	office
	17:50:11	Password verification	punch out for overtime	0	office
2008-10-16	11:58:25	Password verification	punch in	0	office
	11:58:29	Password verification	punch in	0	office
<u> </u>	11:58:31	Password verification	punch in	0	office
-	11:58:36	Password verification	punch out for overtime	0	office
<u> </u>	11:58:37	Password verification	punch out for overtime	0	office
	11:58:42	Password verification	punch out for overtime	0	office
-	11:58:44	Password verification	punch out for overtime	0	office
-	11:58:46	Password verification	punch out for overtime	0	office
	11:58:47	Password verification	punch out for overtime	0	office

#### 2.2 Export access record

[function introduction]Export all in-out records of specified personnel and save them in local disk.

#### [operating steps]

1. Click "Export access record ";

uery access records						
xport access record	02	PIN -	Name	Card Number	Owned group	User privileges
	Γ	1		0	1	Ordinary users
Iser modify 🙁	Г	2		0	1	Ordinary users
iser management		3		0	1	Ordinary users
dd new employees	Г	4		0	1	Ordinary users
		5		0	1	Ordinary users
ccess param 🙁		6		0	1	Ordinary users
efinition of the time	Γ	7		0	1	Ordinary users
eriod	Γ	8		0	1	Ordinary users
efinition Group efinition combination	Γ	9		0	1	Ordinary users
ennicion combinacion		10		0	1	Ordinary users
guipment Ma 🔕	Γ	11		0	1	Ordinary users
		12		0	1	Ordinary users
ormal configuration ptions	Γ	13		0	1	Ordinary users
ynchronization guipment time	Г	14		0	1	Ordinary users
ommunication	Γ	15		0	1	Ordinary users
arameter settings assword change	Γ	16		0	1	Ordinary users
anagement mpty access records		17		0	1	Ordinary users

2. Specify the personnel to be queried

Tick the check box in the front of personnel list.

3. Click 'Start'.

File Dow	rnload 🛛 🔀
Do you	want to save this file?
	Name: attlog.dat Type: Unknown File Type From: 192.168.1.234 Save Cancel
2	While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not save this file. <u>What's the risk?</u>

4. Click 'save' to save in-out record to the specified position of local disk.

## **3. User modification**

#### 3.1 User management center

**[function introduction]**Query, modify and delete the personnel that have existed in the system.

#### [operating steps]

1. Click "User management center";

Ouery access records				F	IN 💌	Confirm
Export access record	Modification Delete	PIN 👻	Name	Card Number	Owned group	User privileges
	Modification Delete	1		0	1	Ordinary users
User modify 🔹	Modification Delete	2		0	1	Ordinary users
	Delete Modification		10	1		
User management	Delete	3		0	1	Ordinary users
centre Add new employees	Modification Delete	4		0	1	Ordinary users
Add new employees	Modification Delete	5		0	1	Ordinary users
	Modification	6		0	1	Ordinary users
Access param 🙁	Modification	7	2	0	1	Ordinary users
Definition of the time	Delete Modification Delete	8		0	1	Ordinary users
Definition Group	Modification Nelete	9	6	0	1	Ordinary users
Definition combination	Modification Delete	10		0	1	Ordinary users
	Modification Delete	11	8	0	1	Ordinary users
Equipment Ma 📚	Modification Nelete	12		0	1	Ordinary users
Normal configuration	Modification	13	2	0	1	Ordinary users
options	Delete Modification	14		n	1	Ordinary users
Synchronization equipment time	Delete Modification	15	8	0	1	Ordinary users
Communication	Delete Modification	16		0	1	Ordinary users
parameter settings Password change	Delete Modification		2	1	1970.	
management	Delete	17		0	1	Ordinary users
Empty access records	Modification	18		0	1	Ordinary users

#### 2. Query personnel

1) Input query condition. There are 2 searching methods: one is PIN,

the other is name.

2) Click 'Confirm' after input, and the personnel according with conditions will be displayed in the list.

3. Modify personnel's information

1) Click 'Modification' on the line where personnel is to enter editing interface.

2) Except for PIN, other operations are the same with that of 'adding new personnel' interface.

4. Delete personnel's information

Click 'Delete' on the line where the personnel is to delete his information from the system.

#### 3.2 Add new employees

**[function introduction]**Add a new personnel to the system, and specify his access control privilege.

#### [operating steps]

1.Click "Add new employees";



2. Input new user's information according to the page clues.

1) Don't make work number in collision. Input personnel's name (8 characters or 4 Chinese characters at most)

- 2) Select user privilege (privilege for user to operate device).
- 3) Select well-defined group in access control setting (group 1 by default).

If select the corresponding group number, then the user will use the set time zone of this group by default. If not using group is selected, then another 3 time zones ('or' is among them) will be selected. Only in these 3 time zones, can the user have access control privilege.

4) The personnel who use password or card can input these two items.

5) Click 'save' after information filling is complete.

#### 3. For example

1) user use group time zone

Add new employs PIN :	6	(Each employee has the only one FIN, this value can't be repeated )
Name :	Tom	(Maximum eight Characters or four chinese characters )
Vser privileges :	Ordinary users	s 💌
Owned group :	Group 2	Time Period: No Time Period:
	No	Time Period: No
Password :	[4856] (M	Maximum five figures )
Card Number :		(If it do not exist, please keep blank)
		Save

The above setting shows: No. 6 personnel Tom belongs to group 2 and use group2's time zone.

2) User does not use group time zone.

PIN :	8 (Each employee has the only one PIN, this value can't be repeated )
Name :	Jack (Maximum eight Characters or four chinese characters )
User privileges :	Ordinary users
	Without group 💌 Time Period: Time Period1 💌 Time Period:
Owned group :	Time Period2 💌 Time Period: No 💌
Password :	(Maximum five figures )
Card Number :	(If it do not exist, please keep blank)

The above setting shows: No. 8 personnel Jack does not use group. He uses individual access control time zones, namely time zone 1 and time zone 2.

#### 4. Access parameter setting



#### 4.1 Definition of the time period

[function introduction]Add and modify access control time zone which may be used by personnel.

Time zone is the smallest time zone unit of access control setting. The whole system can define 50 time zones at most. Every time zone defines seven time intervals, namely a week. Every interval is the efficient time zone in 24 hours every day. Every user can set 3 time zones at most. "or" exists in the three time zones. It is efficient only if verification time can satisfy one of them. The format of every time interval in time zone is HH:MM-HH:MM. That is, it is exact to minute.

It means whole day forbidden if end time is smaller than start time (23:57-23:56). And it means that the interval is efficient is end time is bigger than start time (00:00-23:59).

Efficient time zone for user unlocking: whole day open (00: 00-23: 59) or end time is bigger than start time.

#### [operating steps]

1.Click "Definition of the time period";

	Seial number of time period	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Query access records Export access record	1	00:00 23:59						
	2	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59
User modify 🔹	3	00:00	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59
User management	26	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:11 23:11
centre Add new employees	29	00:00 23:59	00:11 23:00	23:59 00:00	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59
	32	23:59 11:22	00:00	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59
Access param 📚	41	00:00 23:59						
Definition of the time period	50	23:00 11:00	00:59 00:11	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59	00:00 23:59
Definition Group								
Definition combination								
Equipment Ma 🔕	Seial number of time periodS	Sunday M	londay	Tuesday	Wednesday	Thursday	Friday	Saturda
Normal configuration	1	00:00	00:00	00:00	00:00	00:00	00:00	00:00
Synchronization	l 🛄	23:59	23:59	23:59	23:59	23:59	23:59	23:59
equipment time Communication parameter settings						Save	e Settings	Re-fi
Password change								
management								

#### 2. Add time zone

1) Lay out dropdown list of time zone number, and select the time zone number which does not exist in the list.



The time zone (which can be selected from the system) number range is 1—50.

2) Input time range (in time zone) to open the door.

Seial number of time per	i odSunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
4	07:00	00:00	00:00	00:00	00:00	00:00	07:00
4	06:59	23:59	23:59	23:59	23:59	23:59	06:59

The above setting shows that the door can be open whole day from Monday to Friday, but open-door is forbidden on Saturday and Sunday.

3) After inputting time zone information, click 'save setting' to save time zone setting, and the new time zone will be seen in the list.

3. Edit time zone

1) Lay out dropdown list of time zone number, and then select time zone number.

2) Input new time range.

3) Click 'save' to save the setting.

#### 4.2 Definition group

**[function introduction]**Set open-door time zone for 5 groups preset by the system.

Group setting can group users. 5 groups are defined by the system: group 1, group 2, group 3, group 4 and group 5. The new enrolled user belongs to group 1 by default. He can also be reallocated to other groups through 'add user' or 'modify user information'. There are three time zones in group time zone, with 'or' existing among them.

#### [operating steps]

1. Click "Definition group";

Access to reco 🖄	Group	Time	2		Time	-		Time		-
Query access records Export access record	Owned group		No		Y Period	No		Y Period	No	~
	Owned group	1	Time	Period1			No		No	
User modify 🙁 🙁	Owned group	2		No		Time	Period41		No	
Jser management	Owned group	3	Time	Period29		Time	Period41		Time Period50	
centre Add new employees	Owned group	4	Time	Period26			No		No	
	Owned group	5	Time	Period32		Time	Period41		Time Period50	
Definition Group Definition combination										
quipment Ma 🔕										
Vormal configuration options Synchronization										
equipment time Communication parameter settings										
Password change management										
Empty access records										

2. Edit group setting

(1) Lay out dropdown list of time zone number, and select group number which does not exist in group list.

Owned group 1	~
Owned group 1	
Owned group 2	
Owned group 3	
Owned group 4	
Owned group 5	

Group number which can be selected from the system ranges from 1 to 5.

(2) Input open-door time zone.

Group	Time		Time		Time		-	1000100
Owned group 3	Y Period	Time Period2	Y Period	Time Period3	Y Period	No	~	Sa

The above setting shows the open-door time zones for personnel in group 3 are time zone 2 & 3.

(3) Click 'save' to save the setting after input, and the new group setting will be seen in the list.

#### 4.3 Definition combination

**[function introduction]** Set 10 unlocking combination preset by the system.

Unlocking combination directly shows unlocking control. To prevent all enrolled users unlocking, make no settings for 10 unlocking combinations.

Unlocking combination setting is to define different unlocking combination. Every combination is made up of different groups. Unlocking combination directly use group number, without considering user verification order among various groups. For example: "123" means at least three users (one user respectively from group 1, group 2 and group 3 at least) can unlock after passing verification together. "4" shows that a single user in group 4 can unlock after passing verification.

The system can define 10 unlocking combination at most synchronously. Unlocking can be done only if user verification accords with one of them.

**Notice:** The system's initial default unlocking combination is "1",

namely the new enrolled user can unlock by default.

#### [operating steps]

1. Click "Definition combination";

	Seial number of Combination	Group 1	Group 2	Group 3	Group 4	Group 5
Query access records Export access record	combination 1		Г			
	combination 2	Г			Г	Г
Jser modify 🔹	combination 3					Г
User management	combination 4		1			2
entre	combination 5		Г			Г
ser management entre dd new employees ccess param (*) efinition of the time eriod efinition Group efinition combination quipment Ma (*) ormal configuration	combination 6					~
Access param (*)	combination 7					
Definition of the time beriod Definition Group	combination 8				Γ	
	combination 9					Г
	combination 10					
Equipment Ma (*) Normal configuration potions Synchronization equipment time Communication parameter settings					Sa	ve Settings

#### 2. Unlocking combination setting

Tick the corresponding check box in the list to define the corresponding unlocking combination.

eial number of Combination	Group 1	Group 2	Group 3	Group 4	Group 5
combination 1					
combination 2					
combination 3			Γ		Γ
combination 4		Г	Г	Г	Г
combination 5					Γ
combination 6		Γ		Γ	Γ
combination 7					
combination 8		Г		Γ	Г
combination 9					Γ
combination 10		Г	Г		

The above setting shows that 2 unlocking combinations are set. One is that unlocking can be done by successful verification of personnel in group 1. The other is that unlocking can be done by successful verification of personnel in group 2 & 3.

3. Set unlocking combination, and click 'save'.

## **5.** Equipment management

#### **5.1 Normal configuration option**

[function introduction]Set system's parameters, such as system language, connection overtime and so on.

#### [operating steps]

1. Click "Normal configuration option";

Access to reco (*)	Normal configuration option	s	
Query access records Export access record	Current language Maximum number of connectio Overtime for connection	English 💌 ns 10	
User modify 🔕 User management centre	Terminal name	office	
Add new employees			Save Settings
Access param (*) Definition of the time period Definition Group Definition combination			
Equipment Ma (*) Normal configuration options Synchronization equipment time Communication parameter settings Password change management Empty access records			

Current language: Chinese and English are set for default menu and

display language.

Maximum number of connections: count of enrolled personnel contained simultaneously.

Overtime for connection: when user does no operation in the set time,

the system will default user has left. The user

needs to log in system again to operate.

Terminal name: set current connecting terminal's name.

2. Select language through dropdown box. For other items, place cursor in text box, delete original value and input new one.

3. After modification, Click 'save', and terminal will restart automatically unit to make the modification come into efficiency.

#### 5.2 Synchronization equipment time

[function introduction]Synchronize device's time and computer's time or manually set time.

#### [operating steps]

1.Click "Synchronization equipment time";

Access to reco 🖄					
Query access records	Terminal date	2008-10-16	14:8:41		
Export access record	Adjustment method	Automatic Manual adj	adjustment 1stment		
User modify 🔹 🛞	Date of this machine	2008-10-16	14:5:28	(YYYY-MM-DD - HH:MM:SS)	
Jser management					Modi
tentre					
Add new employees					
Access param 📚					
Definition of the time					
period Definition Group					
Definition combination					
Equipment Ma 📚					
Normal configuration					
Synchronization					
equipment time					
Communication parameter settings					
Password change					
management Empty access records					
imply access records					

2. Select adjusting manner

1)Automatic adjustment: synchronize device's time and computer's time.

2)Manual adjustment: synchronize device's time and manually set time.

3. The device's date

1)When automatic adjusting is selected, the device's date &time is computer's date and time.

2)When manual adjusting is selected, time can be input manually. 4. Click "modify" to modify time.

#### **5.3** Communication parameters settings

[function introduction]Set communication parameters between device and computer through software.

#### [operation introduction]

1.Click "Communication parameters setting";

Access to reco 📚	Communication parameter set	tings				
Query access records	IP addresses of Terminal	192.168.1.234	(100	к. них. нин. нин)		
Export access record	Subnet mask	255.255.255.0	(xx	к. них. нин. нин)		
					Connection	n parameters
User modify 🔕	Gateway Address	0.0.0	(xx:	к. якх. якя. якя)		
User management centre	DeviceID	1				
Add new employees					Serial por	t parameters
	Rs232/Rs485	Rs232: 🔎 On	C off	Rs485: 0n	Off 0	
Access param 🖄	RS232 BaudRate	115200 Bps	~			
Definition of the time period						Save
Definition Group						Dave
Definition combination						
Equipment Ma 🔕						
Normal configuration options						
Synchronization equipment time						
Communication parameter settings						
Password change						
management Empty access records						

2. Input corresponding communication parameters



- 1) through hub: Use network cable (to connect network card and hub) to connect device into network.
- 2) direct connection: use crossed network cable (to connect more than

two Ethernet terminals directly) to connect device and PC.

IP address: default IP is 192.168.1.201. You can modify it according to your need.

- Subnet mask: default subnet mask is 255.255.255.0. You can modify it according to your need.
- Gateway address: default gateway address is 0.0.0.0. You can modify it according to your need.

• Through RS232: use RS232 port cable to connect.

- Baud rate: it is the speed rate used for communication with computer. If communication speed is fast, baud rate of 115200.57600 is suggested.
- RS232/RS485: whether use RS232 communication or not. 'On' means using RS232.
  - RS485
- Baud rate: it is the speed rate used for communication with computer. If communication speed is slow and stable, baud rate of 9600.38400 is suggested.

RS232/RS485: whether use RS485 communication or not. 'On' means using RS485.

3. Click "save" to set communication parameters for the device. and terminal will restart automatically unit to make the modification come into efficiency.

#### 5.4 Password change management

#### [function introduction]Modify password of current enrolled user. [operating steps]

1. Click "Password change management";

Access to reco 📚	Administrator			
Query access records Export access record	System Administrator acc password, if it is empty, New password :	count is reserved account, please c be unable to changes existing pas Confirmed :	hange your password to type a new sword!	
Jser modify 🛛 🛞				Sav
Jser management :entre Add new employees				
Access param 📚				
Definition of the time				
Definition Group				
Definition combination				
Equipment Ma 🔕				
Normal configuration				
Synchronization				
equipment time Communication				
parameter settings Password change				
nanagement Empty access records				

2. Input a new password twice. Click 'save', and the new password will be saved by the system.

3. After password modification, log out the system for login again.

#### 5.5 Empty access records

[function introduction]Modify password of current enrolled user.

#### [operating steps]

1.Click "Empty access record";

2. System will give hint whether to clear all in-out records or not. Click 'Yes' to clear the records and click 'No' to cancel operation.

**Notice:** Please be cautious! It cannot be recovered after this operation!

# Appendix 1 how to connect terminal unit to network

#### 1. Terminal unit requirement

Web Server function, namely device's selective function, needs firmware support of device.

Tip : Please consult our technician or contact business representative if you need this function.

#### 2. Terminal unit parameters

1) enter device's menu-setting-communication setting to find the

IP address Network speed rate Gateway address Subnet mask

following items:

IP address: allocate IP address for the device.

Network speed rate: select corresponding network speed rate according to actual network environment.

If access needs crossing network segment, gateway address and subnet mask need to be set.

# **3.** Set device's parameters according to different network environment

1) If PC and terminal unit are in the same network segment of a LAN.

IP address and network speed rate need to be set.

For example: PC's IP is 192.168.1.100, and device's IP is 192.168.1.201.

When logging in Web server on PC, input 192.168.1.201 in browser's address column.

2) If PC and terminal unit are in the same LAN, but in different network segment.

IP address, network speed rate, gateway and subnet mask need to be set.

3) If PC and terminal unit are not in the same LAN, terminal unit must possess a public network IP for PC to access.