

Networking Software Instructions, Wi-Fi

The software does not need to be installed. It can be run directly in Windows XP or Windows 7 (Microsoft .NET Framework 4 should be installed). A serial port of PC can be connected to multiple walk through metal detectors. Please connect all the walk through metal detectors before running the software.

1. Installation and setting instructions of wireless interface converter and wireless network card

1) Installation of wireless network card (This operation is not required if the computer has its own wireless network card)

Connect the wireless network card to the USB interface of the main board of the computer, and the system will automatically pop up the installation interface. If the installation interface does not pop up, click the desktop computer icon. After entering the computer, click Run CD drive "TP-LINK" (as shown in Figure 1). Wait for a few seconds, and the wireless network card installation is successful.



Figure 1

2) Connect the wireless interface converter and related parameter settings

After the wireless network card is installed successfully, power on the walk through metal detector (the straight-line distance between the walk through metal detector and the computer should be within 20 meters),

click the network connection icon or in the lower right corner of the computer desktop taskbar to find the wireless network access point, which is named "USR-W610_XXXX" (If you cannot find it, take the computer close to the walk through metal detector), check "automatic connection" and click Connect, as shown in Figure 2



Figure 2

Enter the Wireless Network Connection Properties, select and set the Internet Protocol (TCP/IP), as shown in the following figure. Set IP as 10.10.100.120, Subnet mask as 255.255.255.0, and Default gateway as 10.10.100.254.

👍 Wireless Network Connection Properties 🛛 🔹 🏹		
General Wireless Networks Advanced		
Connect using:	Internet Protocol (TCP/IP) Properties	2
IP TP-LINK Wireless USB Adapter Configure	General	
This connection uses the following items:	You can get IP settings assigned automaticallu if your petwork support	rte
Elient for Microsoft Networks Elient and Printer Statistic for Microsoft Networks	this capability. Otherwise, you need to ask your network administrator the appropriate IP settings.	for
QoS Packet Scheduler		
Image: State Protocol (TCP/IP)	Obtain an Pladdress: Obtain an Pladdress:	
Install Uninstall Properties	IP address: 10 . 10 . 100 . 120	
Description	Subnet mask: 255 . 255 . 255 . 0	
wide area network protocol that provides communication across diverse interconnected networks	Default gateway: 10 . 10 . 100 . 254	
Show icon in polification area when connected	Obtain DNS server address automatically	
 Show communication area when connected Notify me when this connection has limited or no connectivity 	Use the following DNS server addresses:	
	Preferred DNS server: 10 . 10 . 100 . 254	
OK Cancel	Alternate DNS server:	
connection	Advance	ed
Other Places 🛞	ОКСС	ancel

Figure 3

3) 3. Wi-Fi server login settings (This item has been set before delivery, and users do not need to repeat setting)

A. After connecting the wireless interface converter, set "10.10.100.254" in the Default gateway to enter the wireless interface converter setting interface. Input User name "admin" and password "admin", as shown in Figure 4;

Connect to 10.10.	.100.254 🛛 🛛 🔀
	G A
USR_module	
User name:	🔮 admin 🛛 💌
Password:	•••••
	Remember my password
	OK Cancel

B. Click OK to enter the wireless network interface converter setting, as shown in Figure 5;

Quick Configure	Working M	ode Configuration	
Mode Selection AP Interface Setting	You may configure	the Uart-WIFI module wifi mode and data transfer mode.	
STA Interface Setting	AP Mode: Access Point		
Application Setting	STA Mode: Station Mode		
Ethernet Setting	Data Transfer Mode	Transparent Mode 💌	
<u>HTTPD Client Mode</u>		Apply Cancel	
Advanced			
Device Management			

Figure 5

C. Click "Mode Selection" in the left directory to enter the mode setting interface, and set the mode to "AP" Mode, as shown in Figure 6.

📫 Quick Configure	Working Mode Configuration	
Mode Selection	You may configure the Uart-WIFI module wifi mode and data transfer mode.	
AP Interface Setting		
STA Interface Setting	AP Mode:	
Application Setting	Access Point	
Ethernet Setting	Station Mode	
HTTPD Client Mode	Data Transfer Mode	
Advanced	Apply Cancel	

Figure 6

D. Click "AP Interface setting" in the directory on the left, and set it with reference to Figure 7. (The following setting is only for reference. We need to set the IP setting of the computer wireless adapter consistent with the wireless interface converter. User can modify them according to the requirement.)

Quick Configure	AP Interface Setti	ng	
Mode Selection	AP Interface Setting such as S	SID, Security	
AP Interface Setting			
STA Interface Setting	Wireless Network		
Application Setting	Network Mode	11b/g/n mixed mode -	
 Ethernet Setting 	Network Name(SSID)	USR-V610_2964 Hidden	
and an	BSSID	9C:A5:25:A8:29:64	
HTTPD Client Mode	Frequency (Channel)	AutoSelect -	
Advanced Device Management	USP 36840 2064	Apply Cancel	
	Security Mode	Disable 👻	
		Apply Cancel	
	LAN Setup		
	IP Address(Default DHCP G	ateway) 10.10.100.254	
	Subnet Mask	255. 255. 255. 0	

Figure 7

E. Click "STA Interface setting" in the directory on the left. Refer to Figure 8 to set the serial port of the wireless network port converter and Figure 9 to set the wireless network port converter (the following IP address settings are only for reference. Users only need to set the IP address of the wireless network port converter server to be consistent with that of the computer wireless network card. Users can set the IP address according to their needs Self modification is required);

English

Quick Configure	Wifi-Uart Setting		
Mode Selection	You could configure the Hart name	motors and notwark narromotors of the will used	
AP Interface Setting	application.	meters and network parameters of the win-dart	
STA Interface Setting			
Analiantian Catting	Uart Setting		
Application Setting	Baudrate	9600 -	
Ethernet Setting	Data Bits	8 -	
HTTPD Client Mode	Parity	None -	
	Stop	1 -	
Advanced	Flow control	Disable 👻	
Device Management	485 mode	Enable 👻	
	Baudrate adaptive (RFC2117)	Enable 👻	
	Apj	Cancel	
	UART AutoFrame Setting		
	UART AutoFrame	Disable -	
	Ap;	Cancer	
	Registered Package Setting		
	and the second se		

Figure 8

403 selector switch	on 🗸
切换时间间隔(1~350)(us)	3
Apj	Cancel
Network A Setting	
Mode	Client -
Protocol	TCP 👻
Port	12345
Server Address	10. 10. 100. 120
MAX TCP Num. (1~24)	24
TCP Time out (MAX 600 s)	0
Socket B Setting	
Open the SocketB function	off 👻
Protocol	TCP 👻
Port	18899
Server Address	10. 10. 100. 100
TCPB Time out (MAX 600 s)	0
	切換时间间隔(1~350)(us) App Network A Setting Mode Protocol Port Server Address MAX TCP Num. (1~24) TCP Time out (MAX 600 s) Socket B Setting Open the Socket B function Protocol Port Server Address TCPB Time out (MAX 600 s)

1. For each parameter modification or setting, you have to click "Apply" below the setting and then click "Restart" according to the system prompt to get it effective;

2. If a computer is required to connect multiple walk through metal detectors, a wireless router should be added. "AP Mode" of the wireless network interface converter should be changed to "STA Mode". The computer wireless network card and the wireless network interface converter should be connected to the wireless router together. The Internet Protocol (TCP/IP) Properties setting item "Subnet mask" and "Default gateway" should be consistent with the wireless router. The address of the wireless network interface converter should be computer.

2. Instructions of networking software:

Software "XP net V1.0.0.8 "-Release is divided into three modules, namely "Set", "Data" and "Help", to realize different functions respectively. Double click TianheSdm.exe to open the software. The main interface of the software is shown in Figure 10.



1) Set

(1)Language setting

Click "Set" at the left of the menu in the main interface and select "System" to set the software language, as shown in Figure 11.



Figure 11

After selecting the language, click "Set" and "Confirm" to restart the software, as shown in Figure 12.

anguage	English - Alarm temper 37.	3
	Tips	
	The setting is effective after res	tart
		itart.
		OK

Figure 12

(2) Parameter setting of walk through detector

The software will automatically detect the walk through detectors connected to the PC, and display the detected security door ID in the list box of "connected equipment list" on the left. If there are multiple security doors connected to the PC, the ID number of each security door will be displayed in turn from small to large (ID number range 0-99), and the information recorded by the database after passing through each security door will be displayed in the list box on the right.

After the security door is connected successfully, click the setting item on the left of the menu bar in the main interface of the software and select "Door set" to enter the security door setting interface, as shown in Figure 13.

Sensitive[0	1999)							Operate option	
1Zo	1999	2Z o	1999	3Z o	1999	4Zo	1999	Door ID 40	
5Zo	1999	6Z.o	1999	All	0	Over all	50 •	Set all	
requency								Get	Set
Boot auto s	et the frequ	iency 🔿 N	۹ ۲ F	requency	8025	7000~8999	fz		
Ularm Set								3th read 2th read 1th read	
Ring 1	•	Sound 8	•	Alarm 1	-	Alarn temp	er 37. 3		
thers									
Language	🔘 Chi	nese	English	Ring set	e 💿 Base fr	equency 💿 Bas	e save data		
Base save	data 🔘 Pas	s IR	🔘 No pass IR						
Zone num	18	Zones	🔘 12 Zones	● 6 Zo	nes				
Detect	All	lmetal	© F M	🗇 AFN					
Alarm set	🖲 Gaj	,	🔘 Continue	🔘 Sing	le				
Count	• FR	BA+	⊙ FR+BA-	🔘 Sep-	count				
P:1.	RPI	,	- HPF	O IPF		No filter			

Figure 13

- a. To obtain the parameter information of the connected walk through metal detector, you need to select the ID number of walk through metal detector in the list on the left side of Set interface, then return to Com interface and click Get. The parameter information of the walk through metal detector of the selected ID is displayed on the interface shown in Figure 13.
- b. If you want to modify the parameter information of a walk through metal detector connected, you need to obtain the parameter information of the walk through metal detector first, and then modify the obtained information in the "Door set" interface, click "Set" and the modification is completed.
- c. If you want to modify the parameter information of all connected walk through metal detectors, directly modify the contents to be modified in the "Door set" interface, tick "Set all" and click "Set", then all the parameters of the walk through metal detectors will be modified;

Note: The functions of the interface in Figure 13 show all the function parameters of the walk through metal detectors of the company. The functions of different models walk through metal detectors are different, referred to the user manual. If the setting is out of range, it will be invalid.

2) Data

The list box at the right displays the information recorded by the walk through metal detectors. The "Current connect" list box on the left shows the ID number of the walk through metal detectors connected to the PC. If there is nothing displayed, it means that no walk through metal detector is connected to the PC. The alarm zones is showed in the middle, visually displayed the specific zones and alarm locations of the walk through metal detectors.

(1) Main interface

"Door ID" is the last two digits of the ID displayed on the security door panel. "FR number" is the No. of people passed the walk through metal detector from the front and "BackwardPassNum" shows the No. of people passed from back. "Number of alarm" is the sum of alarms from both directions. "Rm area" displays 6 groups of two digits from left to right, showing the alarm location from one zone to six zones (from bottom

to top). For each group of numbers, the first digit indicates the alarm information of the left door board, and the second digit indicates the alarm information of the right door board, where 1 is an alarm and 0 means no alarm. "Alarm time" is the specific time when passing the security gate, year, month, day, hour, minute and second.

ment committee allert		Boar 12	12 number	14 number	Busher of clars	In stat	Bide	Suchar of	
Done 10140 19110.10.100.254-1149						10 10 10 10 10 10			
Contents of the Content of the Content of the	TO REPORT AND	40	14	19	3	11 11 00 00 11 11	27.3	1	
		40		3	3	00 00 00 00 00 00	26.6	*	
		40	1	5	3	00 00 00 00 00 00	35.6	2	
		40	1	3	3	11 11 00 00 11 11	38.7	2	
		40		5	2	11 11 00 00 11 11	42.4	8.0	
		40	0	2	1	04 00 00 00 00 10	35.4		
		40	0	4	a.	00 00 00 00 00 00	25.0		
				Fort page	Tre page	M	Let sup		
				Pretaw	Trease	M	Last gape	biate	bq
5.36.95 Client 30 10.100.254.1148 connected				front cope	Tre par	M	Let gape	Bilate	bq
26.06 Client: 10 10 100 154 1149 commerted				Pret pape	Treast	M	Last gap	bilate	Ŀ
36.98. Classit: 30 10.300.254.3148 essmented				Root rep 8 Park Re 86 6 °C	Trease	1/1 East page	Lett gape 3 Partice of a 7	Balara (5
1 36 38 (G. ant. 10 10 105 254 1149 conserved			3	8 7447 Feb 7445 Feb 86.6°C	Tre par	M	Let sup 3 Pater of a 7	Datate (Ŀ
36.08 Climit: 10 10 100 254 3148 emmerted			3	front oup 8 Face Ba 36.6°C	Trease	M . Surt year	Сол у раци 3 Рание и и 7 Рание и и	Bilate (

Figure 14

For example, select the second record shown in Figure 14, "alarm area" information "11 11 00 11 11". The numbers of the first and second groups, the fifth and sixth groups from left to right are all 1. It means the first, second, fifth and sixth areas of the security door have alarms. The door location diagram also intuitively shows the specific alarm location, which is consistent with the actual alarm location display of the security door.

Note: when multiple security doors are connected at the same time, the information record of each door will be displayed in the information record list on the right side of the equipment operation. When the information of multiple doors is saved in the database, the information record of multiple doors will still be displayed in the information list on the right side.

(2) Data count

In the main interface of the software, click the menu bar data to select the "Data count", as shown in Figure 15.

Data count			-					
Sn	Door ID	total pass	total alarm	Passed today	Alarm today	Recently passed	Recent alarm	Recent date
1	40	8	3	8	3	4	0	20200516
	_							
	8		3		8		3	
Latest	t day pass	Le	atest day alarm		total pass		total s	alarm
Door ID 40		•						
				Delete		Funa	e+	
				Derete		Lxpo.		

Figure 15

Select the ID number of the walk through metal detector to view the statistics, and to delete and export the data.

(3) Information editing

In the main interface of the software, click "Data" and select "Door manage" to enter the information editing interface, as shown in Figure 16.

🖳 Door manage	-	-		
Sn	Door ID	Door IP	Door name	Remark
3		10, 10, 100, 254		
4	40	10. 10. 100. 254		
Door ID 40	- Door	Domo		
Renewle		Italie		
Kemark				
Import		Modify		Delete

Figure 16

Select the ID number of the walk through metal detector, you can name it and add some.

Example: Name the walk through metal detector with ID number 1 "East Gate" and add remarks as above, and then click "Modify" to save. You may see "East Gate" in the main interface, as shown in Figure 17.



Figure 17

3) Help

In the main interface of the software, click "Help" and select "About" to view the software version information, release time, boot time, etc., as shown in Figure 18.

P About	
Name:	Security door monitoring server
Version:	1.0.0.0
Release time:	2018-11-27 10:11:10
Boot time:	2018-12-14 21:25:12

Figure 18



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