

I20-T Door Phone

User Manual

Safety Notices

1. Please use the specified power adapter. If special circumstances need to use the power adapter provided by other manufacturers, please make sure the voltage and current provided in accordance with the requirements of this product, meanwhile, please use the safety certificated products, otherwise may cause fire or get an electric shock. When using this product, please do not damage the power cord, or forcefully twist it. Stretch pull or banding, and not to be under heavy pressure or between items, Otherwise may cause the power cord damage, thus lead to fire or get an electric shock.

2. Before use, please confirm the temperature and environment humidity suitable for the product work. (Move the product from air conditioning room to natural temperature, which may cause this product surface or internal components produce condense water vapor, please open power use it after waiting for this product is natural drying.)

3.Non-technical staff not remove or repair, improper repair or may cause electric shock, fire or malfunction, etc, Which can lead to injury accident, and also can cause your product damage.

4. Do not use fingers, pins, wire and other metal objects, foreign body into the vents and gaps. It may cause current through the metal or foreign body, which even cause cause electric shock and injury accident. If any foreign body or objection fall into the product please stop usage.

5. Please do not discard the packing bags or stored in places where children could reach, if children trap his head with it, may cause nose and mouth blocked, and even lead to suffocation.

6. Please use this product with normal usage and operating, in bad posture for a long time to use this product may affect your health.

7. Please read the above safety notices before installing or using this phone. They are crucial for the safe and reliable operation of the device.

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1. Acquaint I20-T

Voice Intercom I20-T voice entrance guard is a full digital network door phone, its core part adopt Fanvil mature Voip solution (Broadcom1190 chipset), stable and reliable performance, Hands-free adopting digital full-duplex mode, Voice loud and clear; generous appearance, solid durable, easy for installation, comfortable keypad, low power consumption.

120-T voice entrance guard support entrance guard control, Voice Intercom, keypad remote to open the door.

1.1. I20-T Front



1.2. Key Description

Кеу	Chinese Specification	Function
1 2 3 * 4 5 6 0 7 8 9 #	digit keyboard	enter the password to open the door Or make a calling
	Programmable keyboard	Can be set to a variety of functions, to meet the needs of different occasions
	call status indicators	standby-light off ring-2 sec.glitter hold/be hold-1sec. Glitter communication by telephone -long bright
• •	power led (left)	Long bright after power supply
• •	Network and SIP status indicator light (right)	network failure 1 sec. glitter network normal light off registration failure 3 sec. glitter registration succeed long bright

2. Start Using

Before you start to use I20-T, please make the following installation:

2.1. Connect the power supply and the network

2.1.1. Connect Network

In prior to this step, please check if your network can work normally and have capacity of broadband internet access.

1. Broadband Router

Connect network one end with I20-T WAN port, connect the other end with your broadband router LAN port, then network hardware connection is completed. In most cases, you must set your I20-T network as DHCP mode.Please refer to the detailed setting ways **3.2.1**, set network.



2. wireless broadband router

Connect network one end with I20-T WAN port, connect the other end with your ADSL modem LAN port, then network hardware connection is completed. In most cases, If you are using the TV cable broadband, you must set your I20-T network as DHCP mode: if you are using ADSL, then you must set your I20-T network as PPPoE mode.Please refer to the detailed setting ways **3.2.1**, set network.



2.1.2. Interface Description

2.1.2.1 Network, Power Switch, Electric Lock Connection



						CN6						
Outpu	t12V	E	lectric I	lock			WAN (UTP C	able Co	nnectio	n)	
DC			Drive	r								
1	2	3	4	5	6		7	7	8	9	10	11
V+	GND	NC	COM	NO	POE	2+	PC)E-	TX+	TX-	RX-	RX+
12V D	C input	Norm	ally open,	normally								
		close	port									

				CN7			
		LAN (UTP C	able Co	nnectior	ı)	
1	-	2	2	3	4	5	6
4/5		7,	/8	TX+	TX-	RX-	RX+

2.1.2.2 Electric Lock Connection Driver Option



[Notice] When the initial electric current of the lock is less than 500mA/12V, you can

access to the internal driven mode and use the POE of the Voice Access System or 12V DC to control the the switch of the electric lock ; When the initial electric current of the lock is more than 500mA/12V, you need to access to the external driven mode(Use specialized DC power to control the electric lock)

2.1.2.3 Wiring

Relay connection description:

- NO: means idle-disconnected contact (normally open)
- COM: means a pin contact(middle);
- NC: means an idle-connected contact(normally close);









2.2. Quick Setting

I20-T Provide a complete function and parameter setting, users may need to have the network and SIP protocol knowledge for understanding the meaning represented by all parameters. In order to let I20-T users can quickly enjoy the high quality speech brought by the IP Phone services and low cost advantage, we especially lists the basic and must set options in this section, which let users can real-time started without understanding complex SIP protocols.

In prior to this step, please make sure your broadband Internet online can be normal operation, and complete the connection of the network hardware. I20-T factory default network mode is DHCP. Thus,only connect I20-T with DHCP network environment then network can be automatically connected.

- 1. Long press # keypad 5 Sec, then waiting for the phone play the IP address; <u>or use</u> <u>iDoorPhoneNetwork.exe software to search the IP address</u>
- 2. Use IP address log onto WEB server to configurate.
- 3. Configurate service provider supplied account on SIP page, user name, service address and other Registration required parameters.
- 4. Configurate shortcut key on EGS->Function key page. The advice is set to KEY EVENT type, value is OK keyboard.

5.Configurate Door Phone parameter on EGS->EGS page frame.

IP Address	Serial Number	MAC Address	SW Version	Description	
192.168.2.228	I20	00:a8:59:ce:ff:b0	2.3.52.30	Fanvil cargo Door phone	
					<u>R</u> efresh
1 device fou					

3. I20-T Door Phone Basic Operation

3.1. Answering a Call

When calling come, I20-T will ring, and configurate the shortcut as OK, then can press shortcut and answer the call.

3.2. Making a Call

Speed Dial

Configurate shortcut as Memory key and setup a number, then press shortcut can call the configured number immediately.

 Keypad Dialing Configurate shortcut as Dial key. Input wanted number on the keyboard then press short to call.

3.3. End a Call

Configurate shortcut as Release key to end the call.

3.4. Call Records

I20-T provides 100 missed calls, received calls, dialed Calls records, When the storage space used up, then will update the earnest records. Then the phone power of or reboot, all the call records will disappear.

Can check all these three type call records on WEB-Basic->call log page

3.5. Door Open Operation

Through the following four ways to open the door:

- 1. Input the local password on the keyboard to open the door.
- 2. The door phone call the owner, the owner enter the remote password to open the door.
- 3. Owner/other phone call the door, then enter the access code and remote password to open the door.
- 4. Use RFID to open the door.

The access code input errors by low frequency short chirp prompt to door phone and remote user.

input error will be prompted by low-frequency sirens sound.

Password input error is prompted by high frequency chirp, input successfully will be prompted by high-frequency sirens sound.

When the door opens by playing intermittent beeps for prompt. Timeout after closing door the prompt will be stoped.

4. Page Configuration

4.1. Ways to configure

4.1.1.Ways to configure

I20-T has two different ways to different users .:

- Use web browser (recommendatory way).
- Use telnet with CLI command.

4.1.2. Password Configuration

There are two levels to access to phone: root level and general level. User with root level can browse and set all configuration parameters, while user with general level can set all configuration parameters except SIP (1-2) or IAX2's that some parameters cannot be changed, such as server address and port. User will has different access level with different username and password.

- Manager mode:
 - User Name: guest
 - ◆ Password: guest
- Manager mode:
 - User Name: admin
 - Password : admin

4.2. Setting via web browser

When I20-T and PC are connected to network, input phone IP address into Internet Explorer(IP address can obtain via pressing sysinfo key) http://xxx

.xxx.xxx/, (if the web log on port is not 80 standard port, then need input http://www.www.www.www.um/, etherniae it will show een pet find a conver

)You can see the web management interface login screen (as below image). Enter the user name and password

and click on the **[Logon]** button then can enter into the set menu.

User:	
Password:	
Language:	English 💌
	Lugon

X:If you do not save the settings you changed, next power boot it will back to the previous state unchanged. If you want to save the settings, after you made the change, please click Maintenance-Config-save then all are saved, in the process, the phone will immediate effect without reboot.

4.3. WEB Page Functional Explanation

4.3.1. BASIC

4.3.1.1. Status

	STATUS	WIZARD CALL LOG	LANGUAGE	
BASIC				
and the second	Network		1	
IETWORK	WAN Connection Mode	DHCP	LAN IP Address	192.169.10.1
	MAC Address	00:a8:59:cd:6b:e6	DHCP Service	Enabled
OIP	IP Address	192.168.3.238	Bridge Mode	Disabled
HONE	IP Gateway	192.168.1.1	bildge Hode	Distored
HONE	Accounts			
GS	SIP Line 1	629@192.168.1.2:5060	Regist	ered
	SIP Line 2	@:5060	Unapp	
AINTENANCE				
in an				

	Status
Field Name	Description
Network	Shows the phone current WAN configuration: include WAN IP get way (Static、DHCP、PPPoE) and MAC address, IP, the default gateway IP address
Accounts	Shows the phone current SIP LINE $1-2$ registered and the corresponding number status. The bottom of the page shows I20-T version number and release date.

4.3.1.2. Wizard

	STATUS	WIZARD	CALL LOG	LANGUAGE
> BASIC	WAN Connection M	ode		
NETWORK	Static IP	0		
	DHCP	۲		
VOIP	PPPoE	0		
PHONE				Next
EGS				
MAINTENANCE				
SECURITY				
LOGOUT				

Field Name	Description

Telephone network on-line mode, please according to the actual network environment, select the appropriate network model. This phone provides three kinds of network online ways:

Static : If your ISP Services provide you with a fixed IP address, you can choose this.After selecting, you must fill the Static table with: IP Address / Netmask /Gateway / Primary DNS and other related information. If you don't know the information, please ask your ISP service provider or network management personnel for assistance.

DHCP : in this mode, network information will got automatically from the DHCP server, you need not to manually enter these fields.

PPPoE: select this mode. you must enter the ADSL online account and password.

You can also reference 3.2.1 Network Settings, and set your network quickly.

Select Static IP MODE, click **[NEXT]** can simply configurate the network address and SIP parameters (default as 1 Line) and browse configuration items. Click **[BACK]** return to the last page.

Static IP Settings	
IP Address	192.168.1.114
Subnet Mask	255.255.255.0
IP Gateway	192.168.1.1
DNS Domain	
Primary DNS	202.96.134.133
Secondary DNS	202.96.128.68
	Back
IP Address	Please enter your assigned IP addresses.
Subnet Mask	Please enter your assigned subnet mask.
IP Gateway	Please enter your assigned a default gateway
	address.
DNS Domain	Set the DNS domain suffix. When the user input in the
	DNS domain name address and cannot be resolved,
	telephone will add this domain behind the domain
	name address then go to resolve.
Primary DNS	Please enter your primary DNS server address.
Secondary DNS	Please enter your alternate DNS server address.
Quick SIP Settings	· · · · ·
Display Name	4113
Server Address	192.168.1.2
Server Port	5060
Authentication User	4113
Authentication Password	••••
SIP User	4113
Enable Registration	
-	Back
	DOOK
Display Name	Configure display name, able to do when calling in the
	called party (don't name the caller) can show this
	configuration parameters, and allow input English
	letters;
Server Address	Configure the SIP registration server address, Support
	domain address
Server Port	Configure the SIP registration server signaling port
Authentication User	Configure the SIP registration account.
Authentication	Configure the SIP registration account password.
Password	
SIP User	Configure the number registered on IP server.
Enable Registration	Configurate to allow/prohibit the registration;

Connection Mode	Static IP
Static IP Address	192.168.1.114
IP Gateway	192.168.1.1
SIP	
Server Address	192.168.1.2
Account	4113
Phone Number	4113
Registration	Enabled
	Back Finish
elect PPPoE MODE, assword and SIP para lick 【BACK】 return	Static IP MODE。 click 【NEXT】 can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page,specific operation same as Static IP
assword and SIP para	click 【NEXT】 can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items
Select PPPoE MODE, bassword and SIP para Click 【BACK】 return MODE.	click (NEXT) can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page, specific operation same as Static IP
Select PPPoE MODE, bassword and SIP para Click 【BACK】 return MODE. PPPoE Settings Service Name User	click [NEXT] can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page, specific operation same as Static IP
Select PPPoE MODE, bassword and SIP para Click 【BACK】 return MODE. PPPoE Settings Service Name	click (NEXT) can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page, specific operation same as Static IP
Select PPPoE MODE, bassword and SIP para Click 【BACK】 return MODE. PPPoE Settings Service Name User Password	click [NEXT] can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page, specific operation same as Static IP
Select PPPoE MODE, bassword and SIP para Click 【BACK】 return MODE. PPPoE Settings Service Name User	click [NEXT] can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page, specific operation same as Static IP ANY user123 Back Next service name, e.g. PPPoE service provider has no
Select PPPoE MODE, bassword and SIP para Click 【BACK】 return MODE. PPPoE Settings Service Name User Password	click [NEXT] can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page, specific operation same as Static IP ANY user123 Back Next Service name, e.g. PPPoE service provider has no special requirements, the name as the default value is
Select PPPoE MODE, bassword and SIP para Click 【BACK】 return MODE. PPPoE Settings Service Name User Password Server name	click [NEXT] can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page, specific operation same as Static IP ANY user123 Back Next Service name, e.g. PPPoE service provider has no special requirements, the name as the default value is ok.
Select PPPoE MODE, bassword and SIP para Click 【BACK】 return MODE. PPPoE Settings Service Name User Password	click [NEXT] can simply configurate online account and ameter (defaulted as 1 line) and browse configuration items to the last page, specific operation same as Static IP ANY user123 Back Next Service name, e.g. PPPoE service provider has no special requirements, the name as the default value is

4.3.1.3. Call Log Through this page can check all call out record.

Call Information					
Start Time	Duration	Peer Calls	Туре		
August 09 13:35 0 second(s) 4223 SIP1 Placed					
Call Log					

Field Name	Description
Start Time	The call log start time.
Duration	The call records of talk time.
Dialed Calls	This call log is the account of other side and call protocol and using line.
Туре	Placed(answered),Missed (missed),Received (incoming).

4.3.2. Network

4.3.2.1. WAN Config

	WAN LAN	QoS&VLAN	SERVICE PORT	DHCP SERVICE	TIME&DATE
ASIC	WAN Status				
NETWORK	Active IP Address	192.168.3.238			
NETWORK	Current Subnet Mask	255.255.0.0			
OIP	Current IP Gateway	192.168.1.1			
OIP	MAC Address	00:a8:59:cd:6b:e6	5		
HONE	MAC Timestamp	20130716			
	WAN Settings				
GS	Obtain DNS Server Automatically	Enabled 💙			
	Static IP O	DHCP 💿		PPPOF O	
AINTENANCE		(Apply		
ECURITY	802.1X Settings				
OGOUT	User	admin			
	Password	•••••			

WAN Config					
Field Name					
WAN Status					
Active IP Address	192.168.1.12				
Current Subnet Mas	< 255.255.255.0				
Current IP Gateway	192.168.1.1				
MAC Address	00:02:5f:00:00:21				
MAC Timestamp	MAC Timestamp 2012-3-1				
Active IP Address	Active IP Address The phone current IP;				
Current Subnet Mask	Subnet Mask;				
Current IP Gateway	The current default gateway IP;				
MAC Address	MAC address;				
MAC Timestamp	Show the time of getting MAC address				
WAN Settings					
Obtain DNS Server Automatically Disabled 💌					
Static IP 🔘	DHCP 💿	PPPoE 🔘			
	Apply				

Telephone network on-line mode. Please according to the actual network environment, choose a suitable network mode. This phone provides three ways for network online:

- static : If your ISP services provide you with fixed IP address, then you can choose this item. After choosing, you must fill it into Static table: IP Address / Netmask /Gateway / Primary DNS and other related information. If you don't know these information, can ask assistance from your ISP provider or network management personnel.
- DHCP : in this mode, network information will automatically obtain from DHCP server, you need not to manually enter these fields.
- PPPoE: when select this mode, you must enter the ADSL online account and password.

You can reference 3.2.1 Network Settings, set your network quickly.

IP Address	192.168.1.114
Subnet Mask	255.255.255.0
IP Gateway	192.168.1.1
DNS Domain	
Primary DNS	202.96.134.133
Secondary DNS	202.96.128.68

Only the phone used in Static mode which need set.

IP Address	Please enter your assigned IP addresses.
Subnet Mask	Please enter your assigned subnet mask.
IP Gateway	Please enter your assigned a default gateway
	address.
DNS Domain	Set the DNS domain suffix. When the user input in the
	DNS domain name address and could not resolute,
	after put this domain behind the domain name address then
	the phone will go to resolve.
Primary DNS	Please enter your DNS service address.
Secondary DNS	Please enter your spare DNS service address.

Password	
User	user123
Service Name	ANY

Only when the phone use PPPoE mode need to set.			
Server Name	service name, e.g. PPPoE Service provider has no special requirements, this name can be treated as default value.		
User	Please enter your ADSL account.		
Password	Please enter your ADSL code.		

Note:

1) After setting the parameters, need click "apply" to make it effective.

2) f changed IP, web page must have no longer responding, at this time should enter the new address in the address bar can be connected to the

phone.

3) If system boot and use DHCP to get IP, and DHCP server network address are the same with system LAN network address, then after server get DHCP IP, add 1 to the last of LAN network address, meanwhile modify LAN DHCP Server allocate IP address field; After system reboot, WAN access DHCP log on, and DHCP server provided network address is the same as LAN provided, then WAN will not be able to get IP access networks.

4.3.2.2. Qos Config

I20-T Terminal system support802.1Q/P protocol, support DiffServ configuration. Meanwhile, VLAN function can configurate Voice VLA and Data VLAN use different VLAN I.System configuration Data VLAN, can process the signalling, Audio stream and system and other data stream with different VLAN ID, which let the applications of VLAN is more flexible. (Below chart is helpful for your understanding the VLAN using advantages.)



In chart

1, on a two layer switch which not set VLAN, any radio frame is forwarded to all the other ports in addition to receiving port. e.g, PC A (port 1) After sending the broadcast information, will be

forwarded to the port 2, 3, 4.

In chart 2, the switch generate red and blue VLAN; Meanwhile set port 1、2 as red VLAN、 port 3、 4 are VLAN. Then A (port 1) send out broadcast frame, switches only will forward it to other port belongs to a VLAN—port 2 which also belong to red VLAN, Will not be forwarded to the blue port VLAN. As well, C (port 3) send out broadcast frame, Will only be forwarded to other belong to the blue port VLAN, Will not be forwarded to belong to the red VLAN ports.

In this way, VLAN by limiting the broadcast frame forwarding range to partition the broadcast domain. In the above chart for better illustration, use red, blue two colors to identify different VLAN, in the practice is using "VLAN ID" to distinguish.

Enable Learning Function VOIP Quality of Service (QoS) Settings Enable DSCP Audio RTP DSCP 46 Audio RTP DSCP 46 Concernance Enable WAN Port VLAN Settings Enable WAN Port VLAN SIP 05CP WAINTENANCE Enable WAN Port VLAN SIP 802.1P Priority O O(0~7) Audio 802.1P Priority Concernance					
Link Layer Discovery Protocol (LLDP) Settings PRONE Enable Learning Function Quality of Service (QoS) Settings PHONE Enable DSCP Audio RTP DSCP 46 Audio RTP DSCP 46 SIP DSCP 46 PHONE Enable WAN Port VLAN Settings MAINTENANCE Enable WAN Port VLAN SIP 802.1P Priority 0 Out VLAN Settings 0 LAN Port VLAN Settings 1		WAN	QoS&VLAN	SERVICE PORT DHCP SERVIC	
Link Layer Discovery Protocol (LLDP) Settings NETWORK Enable LLDP Enable Learning Function Image: Constraint of the set					
> NETWORK Enable LLDP Packet Interval(1~3600) 60 secon > VOIP Quality of Service (QoS) Settings > PHONE Enable DSCP SIP DSCP 46 (0~63) > EGS WAN Port VLAN Settings > MAINTENANCE Enable WAN Port VLAN WAN Port VLAN ID 256 (0~40) > SECURITY LAN Port VLAN Settings	ASIC	Link Laver Discovery Protocol	(LLDP) Settings		
Enable Learning Function VOIP Quality of Service (QoS) Settings PHONE Enable DSCP Audio RTP DSCP 46 Ove63) EGS WAN Port VLAN Settings Enable WAN Port VLAN SIP 802.1P Priority 0 (0~7) Audio 802.1P Priority 0 (0~7) Audio 802.1P Priority 0 (0~7) LAN Port VLAN Settings LAN Port VLAN Settings	NETWORK			Packet Interval(1~3600)	60 second(s)
PHONE Enable DSCP SIP DSCP 46 (0~63) Audio RTP DSCP 46 (0~63) 46 (0~63) EGS WAN Port VLAN Settings 256 (0~40) MAINTENANCE Enable WAN Port VLAN WAN Port VLAN ID 256 (0~7) SECURITY ELAN Port VLAN Settings 0 (0~7) Audio 802.1P Priority 0 (0~7) LAN Port VLAN Settings LAN Port VLAN Settings 1 254 (0~40)		Enable Learning Function			
> PHONE Audio RTP DSCP 46 (0~63) > EGS WAN Port VLAN Settings > MAINTENANCE Enable WAN Port VLAN WAN Port VLAN ID 256 (0~40) > SECURITY LAN Port VLAN Settings LAN Port VLAN Settings LAN Port VLAN Settings LAN Port VLAN Settings	/OIP	Quality of Service (QoS) Setti	ngs		
> EGS WAN Port VLAN Settings > MAINTENANCE Enable WAN Port VLAN > SECURITY Image: Stress of the set of the s	PHONE	Enable DSCP		SIP DSCP	46 (0~63)
WAN Port VLAN Settings ImainTENANCE Enable WAN Port VLAN SIP 802.1P Priority ImainTenance Unit of the tenable way of tenable way of the tenable way of tenable way		Audio RTP DSCP	46 (0~63)		
	GS	WAN Port VLAN Settings			
SIP 802.1P Priority 0 (0~7) Audio 802.1P Priority 0 (0~7) SECURITY LAN Port VLAN Settings LAN Port VLAN Mode Follow WAN V LAN Port VLAN ID 254 (0~40	AINTENANCE	Enable WAN Port VLAN		WAN Port VLAN ID	256 (0~4095)
LAN Port VLAN Settings		SIP 802.1P Priority	0 (0~7)	Audio 802.1P Priority	0 (0~7)
LAN Port VLAN Mode Follow WAN V LAN Port VLAN ID 254 (0~40	ECURITY	LAN Port VLAN Settings			
	OGOUT	LAN Port VLAN Mode	Follow WAN 💌	LAN Port VLAN ID	254 (0~4095)
				Apply	

Field Name	
LLDP Setup	Description
Open LLDP	Open the phone LLDP Message function
Open Learning	Open phone learning LLDP function, After the
Function	opening, phone will automatically learn QoS in
	switch , VLAN ID, 802.1p,etc.configuration value.If
	different, phone will Automatically updated to the value
	in switch, synchronization with switches.
Data sending	The interval of phone sending data, the unit is
interval	second.Default it is 60 seconds.
QOS Setup	
Open DiffServ	Configurate whether open DiffServ
Signal Dscp	Configurate the value of Signal Dscp
Voice Dscp	Configurate the value of Voice Dscp
WAN VLAN Setup	
Open WAN Port	Open the VLAN of WAN port
VLAN	

WAN Port VLAN ID	Configurate ID value of VLAN, range is 0-4095
Signal 802.1P Priority	Configurate the value of Signal 802.1P, range is 0-7
Voice 802.1P Priority	Configurate the value of Voice 802.1P, the range is
	0-7
LAN VLAN Setup	
LAN Port Vlan	Open/forbid Port Vlan
	Same as WAN port ID value
	Close:Disable Port Vlan
	Open: after open it then input different ID value from
	WAN port
LAN Port VLAN ID	Setup ID value of VLAN, range is 0-4095

4.3.2.3. Service Port

Through this page can set Telnet ,HTTP,RTP port.

	WAN	LAN	QoS&VLAN	SERVICE PORT	DHCP SERVICE	TIME&DATE
> BASIC						
Contract of the second s	Service Port Setting	is 😡				
> NETWORK	Web Server Typ	e	HTTP 💌			
	HTTP Port		80			
> VOIP	HTTPS Port		443			
	Telnet Port		23			
> PHONE	RTP Port Range	Start	10000			
	RTP Port Quanti	ity	200			
> EGS				Apply		
> MAINTENANCE						
> SECURITY						
› LOGOUT						

SERVICE PORT	
Field Name	Description
HTTP Port	Configurate web browser port, default 80 port, if want to enhance system security, can modify it to non-80 standard port, save the data after modification, when lo in again please use this way: http://xxx.xxx.xxx.xxx: xxxx.
Telnet Port	Configurate telnet port, default 23port;
RTP Port Range Port	Configurate phone RTP and open the starting port.Allocate this port as dynamic allocation;
RTP Port Quantity	Configure the phone allocation RTP port Max quantity. Default 200 pieces;
Notice:	
1)After modifying this page need to save and reboot the phone which can make it come	

into force.

2) If change Telnet ,HTTP port number , it's better set bigger port number than 1024, because 1024 port is system reserved port.

3) HTTP port number is set as 0, then forbid the HTTP service.

4.3.2.4. TIME&DATE

According to their own position, configuration time zone and SNTP Server to automatically obtain time and daylight saving time function, can also according to their need to manually adjust the time.

Fanvil						
	WAN	LAN	QoS&VLAN	SERVICE PORT	DHCP SERVICE	TIME&DATE
> BASIC						
/ DASIC	Simple Network Time Pr	otocol (SNTP) Settings			
> NETWORK	Enable SNTP Enable DHCP Time					
› VOIP	Primary Server Secondary Server	209.81	.9.7			
> PHONE	Timezone Resync Period	60	08:00)Beijing,Chor second(s)	ngqing,Hong Kong,U	rumqi 💌	
> EGS	12-Hour Clock Date Format	1 Jan,	1on 💌			
> MAINTENANCE				Apply		
> SECURITY	Daylight Saving Time Se Enable	ttings				
› LOGOUT	Offset Month	60 March	minutes(s)		October 💌	
	Week	5			5	
	Day	Sunda	y 😽		Sunday 👻	
	Hour	2			2	
	Minute	0		Apply	0	
	Manual Time Settings					
	Year					
	Month					
	Day					
	Hour Minute					

SNTP		
Field Name	Description	
SNTP Time set		
SNTP	Configurate whether enable SNTP server	
DHCP Time	Whether use DHCP dynamic to obtain time, after enabling, phone will synchronization network time automatically in certain time	
Main Server	Configurate phone obtain current time SNTP main server address.	
Backup Server	Configurate phone obtain current time SNTP backup Server address.	
Territory	Configure the choice for time zone	

Synchronous Query	inquiry from the server constantly to synchronize	
	, default 60 second	
12 hours system	System can switch to 12 hours, default is 24 hours	
Date Format	Configure date format	
Date Separator	Configure date separator	
summer time set		
Open the Daylight Saving Time	Configure the daylight saving time	
Time Change Length(Minute)	Configure the daylight saving time changing length	
Month	Configure DST the starting month and end month	
Week	Configure DST the starting week and end week	
Date	Configure DST the starting date and end date	
Hour	Configure DST the starting hour and end hour	
Minute	Configure DST the starting minute and end minute	
Manually set the		
time		
Manually set the time	, need firstly disable SNTP service, in the above chart	
year、month、date、minute、hour、second every part need filled into and		
submit then manual set will succeed.		

4.3.3. VOIP

4.3.3.1. SIP Config

Configure the SIP server here.

	SIP ST	UN DIAL PEER		
BASIC	SIP Line SIP 1	×		
NETWORK	Basic Settings >>			
VOIP	Status	Registered	Domain Realm	
	Server Address	192.168.1.2	Proxy Server Address	
PHONE	Server Port	5060	Proxy Server Port	
	Authentication User	629	Proxy User	
EGS	Authentication Password	d •••	Proxy Password	
	SIP User	629	Backup Server Address	
MAINTENANCE	Display Name	629	Backup Server Port	5060
	Enable Registration		Server Name	
SECURITY	Codecs Settings >>			
	Advanced SIP Settings >>			
LOGOUT	Autoriced Str Settings 22		Apply	
			Аррту	
	SIP Global Settings >>			

SIP Config	
Field Name Description	

Choose which line cor	figuration of the SIP account, There are two lines to
	d click [Load] switch to the line account configuration
Basic setup	
registration status	Phone SIP registration status display; if the register will show the registered successfully, Otherwise is unregistered
server name	Name the server
Server Address	Configure SIP register server address, support domain form address
server port	Configure SIP register server signaling port
user name	Configure SIP registration account
Password	Configure SIP registration account password
Telephone number	Configure the number registered to the SIP server, if it is empty, then it is not a registered
Display Name	Configure display names, able to do when calling in the called party (not name the calling party) can show this configuration parameter, allow input English letters
Proxy server address	Configure proxy server IP address (generally, SIP service provide users the use proxy server and register the same server configuration to provide services, thus, the proxy server configuration is usually is the same as the registered server configuration, if the service providers give different registered server from the proxy server IP address configuration, need modify their server configuration)
proxy Server port	Configure SIP proxy server signaling port
proxy server account	Configure proxy server account
proxy server password	Set the proxy server password
local domain name	Configure the SIP local domain name. If the server does not require a local domain name to specify the domain name for a SIP terminal, the local domain can be configured with the same address or domain name server.System to simplify the user input, users can not enter the local domain name, the system will automatically get registered address fill in the content of domain realm.
backup proxy server address	Configure the backup proxy server address, if the master agent server address is unavailable, phone will enable backup proxy server address automatically
backup proxy server port	Configure the backup proxy server port

	o a allow/arabibit registration
Open registration	Configure allow/prohibit registration
Codecs Disable Codecs/Enable Codecs	According to the need by navigation on Disable Codecs/Enable Codecs list add or remove coding, and can be used by the priority of the up and down navigation keys to change the coding.
Advance SIP configuration	
Forward Type	 Choose call forwarding way. call forwarding (default it's close) close: close call forwarding function busy: incoming calls when the phone is busy directly forwarded to the specified number No answer : incoming calls within a specified time has not been answered, then forwarded to the specified number all the time: incoming call will be transferred to the specified number before directly before the forwarding operation, machine indicates the caller id
Forward Number	configure forward number
Call Forward No Answer Delay Time	If it's call forward no answer, if nobody answer incoming call in Call Forward No Answer Delay Time then the calling will be forwarded to specified number
Transfer timeout Enable the hot line	For the phone supports the transfer of certain special features server, set interval time between sending "bye" and hanging up after the phone transfers a call.
number	Configure to enable the hotline number
Hot line number	Specify Hot Line Number, the phone dial the hot line number automatically at hands-free mode or handset mode after warm line time.
Hot line delay time	Configure hot line delay time
Open signal encryption	Configure whether to support signaling encryption
Signal encryption key	Input signal encryption key
Open voice encryption	Configure whether to support voice encryption
Voice encryption key	input speech encryption key
Open the automatic reply	Configure automatic reply

Automatic response	When there is a call in, and over time went
time	unanswered, phone will answer it automatically
Open dialogue timer	Configure whether to support rfc4028, refresh the SIP sessions
Dialogue timeout	Configure dialogue timeout
Open MWI subscription	Subscribe information after a successful registration, can subscribe others' status or voice mails, and so on.
Voicemail Number	Configure MWI number, realize sip voice message inform and listen to voice message. When there is a new voice message, voicemail will flashing lights, pick up and press MWI key will automatic call to voicemail, and listen to the voice mail, If no new message, voicemail light is out
Subscribe the packet retransmission timeout	Configure subscription time interval
Meeting Type	Specify the Conference Type, if you select the local, you needn't input the conference number.
meeting room number	Configure meeting room number, please contact your service provider to the meeting room number
Registration Expire	Set expire time of SIP server register, default is 60 seconds. If the register time of the server requested is longer or shorter than the expired time set, the phone will change automatically the time into the time recommended by the server, and register again.
Enable Service Code	Configure whether enable service code
DND On Code	Set the DND On Code, When you press the DND hot key, the phone will send a message to the server, and the server will turn on the DND function. Then any calls to the extension will be rejected by the server automatically. And the incoming call record will not be displayed in the Call History.
DND Off Code	Set the DND Off Code, When you press the DND hot key, the phone will send a message to the server, and the server will turn off the DND function
Always CFwd On Code	Set the Always CFwd On Code, when you choose to enable the always forward function on your phone, it will send message to the server, and the server will turn on the function immediately. When there are calls to the extension, the server will always forward it to the set number automatically. And the IP phone will not show the record in the call history anymore.
Always CFwd Off	Set the Always CFwd Off Code, when you choose to

Code	disable the always forward function on your phone, it will send message to the server, and the server
	will turn off the function immediately.
Busy CFwd On Code	Set the Busy CFwd On Code, when you choose to enable the busy forward function v on your phone, it will send message to the server, and the server will turn on the function immediately. When there are calls to the extension, the server will forward it to the set number automatically based the forward type. And the IP phone will not show the record in the call history anymore.
Busy CFwd Off Code	Set the Busy CFwd Off Code, when you choose to disable the busy forward function on your phone, it will send message to the server, and the server will turn off the function immediately.
No Answer CFwd On Code	Set the No Answer CFwd On Code, when you choose to enable the on answer forward function on your phone, it will send message to the server, and the server will turn on the function immediately. When there are calls to the extension, the server will forward it to the set number automatically based the forward type. And the IP phone will not show the record in the call history anymore.
No Answer CFwd Off Code	Set the No Answer CFwd Off Code, when you choose to disable the busy forward function on your phone, it will send message to the server, and the server will turn off the function immediately.
Anonymous On Code	Set the Anonymous On Code, When you choose to enable the anonymous call function on your IP phone, it will send information to the server, and the server will enable the anonymous call function for your IP phone automatically.
Anonymous Off Code	Set the Anonymous Off Code, When you choose to disable the anonymous call function on your IP phone, it will send information to the server, and the server will disable the anonymous call function for your IP phone automatically.
Server Detection Type	Configure server detection type, if it's option, phone will send option SIP message to server every configured time, server respond 2000K to maintain server detection. If it's UDP,phone will send option UDP message to server every configured time
Server detection time interval	Configure Server detection time interval, if phone enable SIP server detection function, phone will to test whether a server response every configured time

User Agent	User Agent Terminal
	Set DTMF sending mode, there are three:
DTMF Type	 DTMF RELAY
	 DTMF_REC2833
	—
	• DTMF_SIP_INFO
	Different VoIP Service providers may provide
	different modes.
Local Port	Set sip port of each line.
Ring Type	Set ring type of each line.
Enable Via rport	Enable/Disable system to support RFC3581. Via
	rport is special way to realize SIP NAT.
Enable PRACK	Enable or disable SIP PRACK function, suggest use
	the default config.
Frankla Lana Orataat	Set more parameters in contact field; connection
Enable Long Contact	with SEM server.
Convert URI	Convert # to %23 when send the URI.
Dial Without	
Registered	Set call out by proxy without registration;
Ban Anonymous Call	Set to ban Anonymous Call;
Enable DNS SRV	Support RFC2782;
	Select the special type of server which is encrypted,
Server Type	or has some unique requirements or call flows.
	Select SIP protocol version to adapt for the SIP
	server which uses the same version as you select.
RFC Protocol Edition	For example, if the server is CISCO5300, you need
	to change to RFC2543; else phone may not cancel
	call normally. System uses RFC3261 as default.
Transport Protocol	Set transport protocols, TCP or UDP
Anonymous call	Set Anonymous call out safely; Support
Specification version	RFC3323and RFC3325;
	Enable/Disable Keep Authentication System will
	take the last authentication field which is passed the
Keep Authentication	authentication by server to the request packet. It will
	decrease the server's repeat authorization work, if it
	is enable.
	Configure Click-to-Call ; (Need the actual software
Enable Click-to-Call	application support)
Only respond to a	
Only respond to a	When it is called,only respond to one supported Codec
speech codec	
Auto TCP transfer	Set to use automatically TCP protocol to guarantee
	usability of transport as message is above 1300 byte
Configure	Compatible with special server (Support the special
Compatible with	SIP server-when phone receives
special server	the packets sent from server, phone will use the
	source IP address, not the address in via field.)
Enable GRUU	Set to support GRUU

Enable Display name Quote	Set to make quotation mark to display name as the phone sends out signal, in order to be compatible with server.
Enable user=phone	Enable user=phone by selecting it, it is contained in the invite sip message, in order to be compatible with server.
Enable Missed Call Log	Enable the missed call log by it, the phone will save the missed call log into the call history record and display the missed calls on the idle screen, or won't save the missed call log into the call history record and display the missed calls on the idle screen.
Enable BLF List	Configure BLF List, BLF List can monitor the state of multiple accounts.
BLF List number	Configure BLF List number
SIP Global Settings	
Strict matching Branch field	Enable the Strict Branch, the value of the branch must be in the beginning of z9hG4k in via field of the invite sip message received, or the phone won't response to the invite sip message. Notice: the deployment will become effective in all sip lines.
Enable Group function	Enable Group by selecting it, then the phone enable the sip group backup function. Notice: the deployment will become effective in all sip lines.
Registration Failure Retry Time	Specify the registration failure retry time, if the phone register failed, the phone will register again after registration failure retry time. Notice: the deployment will become effective in all sip lines.

4.3.3.2. Stun Config

In this web page, you can config SIP STUN.

STUN: By STUN server, the phone in private network could know the type of NAT and the NAT mapping IP and port of SIP. The phone might register itself to SIP server with global IP and port to realize the device both calling and being called in private



network.

4.3.5. FUNCTION KEY

4.3.5.1. Function key

1-4 programmable key in phone software(depend on hardware),you can configurate different feature on each key. You can ref to below indications for each feature, default is NA, means without any feature settings.

	FUNCTION KEY	DOOR PHONE	Door Card	Door LOG		
ASIC	Function Key Setti	ngs				
NETWORK	Key	Туре	Number 1	Number 2	Line	Subtype
	DSS Key 1	Hot Key	✔ 605	600	SIP1 🗸	Speed Dial 🗸
IP	DSS Key 2	None	v		SIP1 V	None 🗸
	DSS Key 3	None	~		SIP1 V	None
IONE	DSS Key 4	None	v		SIP1 V	None 🗸
IONE				Apply		

1) Type=Hot key

Number 1/2 is the fixed phone number, when press the DSS key, the phone call the fixed phone number. this phone number can also be set as IP address.

2) Type=Key Event

You can set type as key event, there're many options in the subtype for your selection.

- None
- Dial
- Release
- OK
- 3) Number Setting

Number1 and number2 is 2 different calling number, when the Dial Mode is <Main-Secondary>,

Number1 is the Main number and Number2is the secondary number; When the Dial Mode is<Day/Night>,Number1 is the daytime period and Number2 is the night time period

EGS

	On an Duration	F	(2.10	m d n)	Talk Duration	120 (20-	600 seconds)
	Open Duration Remote Password	5	(3-10 seco	nas)	Local Password	120 (20-	600 seconds)
		•				Dial and Passwo	
ASIC	Door Unlock Indication	Long bee			Keypad Mode		ord 💌
	Description		oor Phone		Enable Access Table	Enable 💌	
TWORK	Enable Touchpad	Enable			Enable Card Reader	Enable 💌	
	Dial Mode Select		condary 👻		Time of Switch	16 (5-5)	
OID	Day Start Time	06:00	(00:00-23	:59)	Day End Time	18:00 (00:	00-23:59)
J 1P	Address of Log Server	0.0.0.0			Port of Log Server	514	
	Enable Log Server	Disable	•		Enable Indoor Open	Enable 💌	
HONE				Ap	pply		
DOOR PHONE	Access Table						
	Number Ad	cess Code	Name	Position	Department	ID	Access Type
AINTENANCE	602	602	william	ODM		0000817957	Guest
CURITY	Add Access						
	Number						
DGOUT	Access Code						
	Name						
	Department						Add
	Position						
	ID		-				
			Guest 🔻	1			
	Access Type		Guest				

EGS,to config the door phone and maintenance the visitor data

Voice Access Configuration				
Setting Item	Function	Initial Value		
Open Time	Time for open the door, if time is up, the	5s		
	door will be closed automatically.			
Holding Time	After time is up, the call will be ended	120s		
	automatically.			
Remote Openig	Remote opening password.	*		
Time	Remote opening password.			
Local PIN	Local password for the keypad	6789		
Tone settings	Mute/Short beeps/Long beeps	Bell ringing		
Keypad mod	Password only(Prohibit call)/Password-Dial	Dialing and password		
(i20T Valid)	Fassword only (Frombit call) Fassword-Dial	input		
Description	Displayed on iDoorPhoneNetworkScanner	i20 IP door phone		
Description	software			
Remote	Enabling access phone: when remote	Enable		
phonebook	phone calls, input access code first then			
settings	input password to open the door.			
seunys	Disabling access phonebook: when remote			

	phone calls, input password only.	
Eanble Touchpad	Provide keyboard function	open
Enable Card Reader	Provide card reader function	open
Dial Mode Select	<primary secondary="">mode corresponds to the first number in one-button Call function, <day night="">mode corresponds to the second number in one-button Call function</day></primary>	Primary /secondary
Time of Switch	The period between one-button Call function to call the first and second number	16s
Day Start Time	When select <day night="">mode, the time to start Day time</day>	06:00
Day End Time	When select <day night="">mode, the time to end up Day time</day>	18:00
Address of Log Server	Log server address (IP)	
Port of Log Server	Log server port (0-65535, default:514)	
Enable Log Server	Enable or Disable the log server	Disable
Enable Indoor Open	Use to disable or enable the indoor open function	Disable
Remote Phonebo	ook	
Number	Remote phone number	
Authentication code	Access code for visitor. When remote phone calls, if the number is in access list, you can input access code to open the door.	When IP phone calls, it needs to input authentication code to control voice access controller.
Type of Host	When owner calls, controller answer automatically, when visitor calls, controller mute.	
Name	Card holder's name	
Position	Card holder's position	
Department	Card holder's department	

To add new visitor, add the visitor number in <Number> and <Access Code>;Visitor's Name, Position and Department is optional; And then Select the ID (Card number) and Access Type (Visitor or Owner).Press<Add> key to add new visitor. The visitor can call the door phone and input the access code to open the door or use ID card to open the door. Maximum 100 visitors To modify visitor data, click <Delete> or <Modify> key to delete/modify the visitor data, all data can be modified except calling number After you set the log server, i20T will send log data to the log server. Data format:

<8>MAR 20 11:17:38 5,0003476426,IC Card,I20 IP Door Phone

[Note]:

- "<8>":log level
- "MAR 20 11:17:38" : happen time
- "5,0003476426, IC Card, I20 IP Door Phone" :logs have include door open time ,Card number/phone number , open door type , device.

4.3.5.2. Door Card Setting

	FUNCTION KEY	DOOR PHONE	Door Card	Door LOG	
C	ard Reader Settin	g			
	State	Normal 🗸]		Apply
	Administrator	Table			
		ID	Date	3	Туре
	Add Administr	ator			
	ID				Add
	Туре		Issuer 🗸		nuu
	Delete Admini	strator			
	v			Delete	
D	oor Card Table				
	ID			Issuing	Date

Door Card Setting, to config the ID card and admin the card issue and delete

Door Card Setting			
Code	Explanation		
State	ID Card Status Setting:		
	Normal Status, Wave card to open the door		
	Card Issuing Status, Update the ID card data to		
phone database			
	Card Revoking Status, Delete the ID card data		
	from the database		
Administrator Table	Administrator data table, display the		
Administrator Table	administrator ID, Date and Type		
	Add Administrator, Admin Card Number, Type,		
Add Administrator	Card Issuer and Revocation. When the ID Card		
	status is in <normal>,wave admin card to enter</normal>		

	card issuing mode, and then wave the additional cards into the database, when the procedure completed, wave admin card again to enter Normal status.(Delete card procedure is same),Maximum 10 Admin Card and 100 visitor card
Delete Administrator	To delete Admin Card, select the card number and click <delete></delete>
Door Card Table	ID card database, display the card number and Issuing Date

4.3.5.3. Call Log

	STATUS WIZARD	CALL LOG LANGU	AGE	
	Call Information			
> BASIC	Start Time	Duration	Peer Calls	Туре
	January 23 16:00	1 second(s)	901 SIP1	Placed
> NETWORK	January 23 15:24	2 second(s)	901 SIP1	Placed
	January 23 14:47	1 second(s)	901 SIP1	Placed
VOIP	January 23 14:18	1 second(s)	901 SIP1	Placed
	January 23 11:55	1 second(s)	901 SIP1	Placed
PHONE	January 23 11:35	2 second(s)	901 SIP1	Placed
FILONE	January 23 11:09	3 second(s)	901 SIP1	Placed
500	January 23 09:57	1 second(s)	7286 SIP1	Received
EGS	January 23 09:47	8 second(s)	901 SIP1	Placed
	January 23 09:18	1 second(s)	901 SIP1	Placed
MAINTENANCE	January 22 18:47	19 second(s)	901 SIP1	Placed
	January 22 18:17	0 second(s)	901 SIP1	Placed
SECURITY	January 33 10:14	0 cocond(a)	001 0101	Discod

Display call history,Maximum 2000 call history,the earlist excessed call history will be deleted automatically.Right-Click to export Call Log in CSV format

Call Log			
Code	Explanation		
Start Time	Time for door openning		
Duration Door Opening Duration time			
Peer Calls Caller ID(Remote Opening),Card ID number(I card),N/A(local)			
Туре	Door opening type: Local, Remote, IC card		

5. Appendix

5.1.1.Specifications:

PORTPOE48V/380mAPORTLAN10/100BASE-TX s Auto-MDIX, RJ-45 (Keep press key in 7 secon to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCActive Switched Output12V/500mA DCRS232SupportRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportHID Card(125kHz, 26bit)M1 Card (13.56MHz)Not support			
KeyKey MaterialStainless SteelDirect-button1Digital KeyboardsupportMicrophone1Amplifier0.5W/8ΩSpeaker0.5W/8ΩVoiceSpeakerVoice ControlAdjustableFDSPSupport(AEC)ProtocolRTPCODECG.711, G.729Poer Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)48V/380mA10/100BASE-TX s Auto-MDIX,RJ-45 (Keep press key in 7 secor to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportM1 Card (13.56MHz)Not support		Protocol	SIP 2.0(RFC-3261)
KeyDirect-button1Digital KeyboardsupportMicrophone1Amplifier0.5W/8ΩVoiceSpeaker0.5W/8ΩVoice ControlAdjustableFDSPSupport(AEC)Voice FlowProtocolRTPCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)48V/380mA10/100BASE-TX s Auto-MDIX,RFID/IC CardRs232SupportRecommended CableHSYV or betterRFID/IC CardEM-40XX (125Khz)SupportReader(Optional)M1 Card (13.56MHz)Not support		Chipset	Broadcom 1190
Digital KeyboardsupportMicrophone1Amplifier0.5W/8ΩSpeaker0.5W/8ΩVoiceSpeakerVoice ControlAdjustableFDSPSupport(AEC)ProtocolRTPCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)48V/380mA10/100BASE-TX s Auto-MDIX,RFID/IC CardRs232RFID/IC CardEM-40XX (125Khz)Reader(Optional)HID Card(125kHz, 26bit)Mathematical Content of the supportNot support		Key Material	Stainless Steel
WoiceMicrophone1Amplifier0.5W/8ΩSpeaker0.5W/8ΩVoice ControlAdjustableFDSPSupport(AEC)ProtocolRTPCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)48V/380mA10/100BASE-TX s Auto-MDIX,RJ-45 (Keep press key in 7 secor to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportHID Card (125kHz, 26bit)Not support	Кеу	Direct-button	1
VoiceAmplifier0.5W/8ΩSpeaker0.5W/8ΩVoice ControlAdjustableFDSPSupport(AEC)ProtocolRTPCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)48V/380mA10/100BASE-TX s Auto-MDIX, RJ-45 (Keep press key in 7 secor to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportHID Card(125kHz, 26bit)Not support		Digital Keyboard	support
VoiceSpeaker0.5W/8ΩVoice ControlAdjustableFDSPSupport(AEC)Voice FlowProtocolCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoEPoEPoE 802.3af (Class 0 - 12.95W)48V/380mA10/100BASE-TX s Auto-MDIX,RFID/IC CardRS232RFID/IC CardEM-40XX (125Khz)RFID/IC CardEM-40XX (125Khz)RFID/IC CardHID Card (13.56MHz)Not support		Microphone	1
Voice ControlAdjustableFDSPSupport(AEC)ProtocolRTPCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)PORTRecommended CablePORTRecommended CablePassive SwitchAlways on and Always close higher at 30V/1A AC/DCRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportM1 Card (13.56MHz)Not support		Amplifier	0.5W/8Ω
FDSPSupport(AEC)Voice FlowProtocolRTPCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)PoE10/100BASE-TX s Auto-MDIX,LANRJ-45 (Keep press key in 7 secor to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportHID Card(125kHz, 26bit)Not support	Voice	Speaker	0.5W/8Ω
Voice FlowProtocolRTPCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)PoE48V/380mALAN10/100BASE-TX s Auto-MDIX,RFID/IC CardRecommended CableRFID/IC CardEM-40XX (125Khz)RFID/IC CardEM-40XX (125Khz)Reader(Optional)M1 Card (13.56MHz)Not support		Voice Control	Adjustable
Voice FlowCODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)PoE48V/380mA10/100BASE-TX s Auto-MDIX, RJ-45 (Keep press key in 7 secor to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportHID Card(125kHz, 26bit)Not support		FDSP	Support(AEC)
CODECG.711, G.729Power Supply12V+-15%/1A DC or PoEPoEPoE 802.3af (Class 0 - 12.95W)48V/380mA48V/380mALAN10/100BASE-TX s Auto-MDIX,RJ-45 (Keep press key in 7 secor to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCActive Switched Output12V/500mA DCRS232SupportRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportM1 Card (13.56MHz)Not support		Protocol	RTP
PORTPoEPoE 802.3af (Class 0 - 12.95W) 48V/380mAPORT10/100BASE-TX s Auto-MDIX, RJ-45 (Keep press key in 7 secor to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCActive Switched Output12V/500mA DCRS232SupportRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportM1 Card (13.56MHz)Not support	VOICE FIOW	CODEC	G.711, G.729
PORTPOE48V/380mAPORTLAN10/100BASE-TX s Auto-MDIX, RJ-45 (Keep press key in 7 secon to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close highe at 30V/1A AC/DCActive Switched Output12V/500mA DCRS232SupportRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportHID Card(125kHz, 26bit)M1 Card (13.56MHz)Not support		Power Supply	12V+-15%/1A DC or PoE
PORTLANRJ-45 (Keep press key in 7 second to play IP)Recommended CableHSYV or betterPassive SwitchAlways on and Always close higher at 30V/1A AC/DCActive Switched Output12V/500mA DCRS232SupportRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportM1 Card (13.56MHz)Not support		PoE	PoE 802.3af (Class 0 - 12.95W) 48V/380mA
Passive SwitchAlways on and Always close high at 30V/1A AC/DCActive Switched Output12V/500mA DCActive Switched Output12V/500mA DCRS232SupportRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportSupportHID Card(125kHz, 26bit)Not supportM1 Card (13.56MHz)Not support	PORT	LAN	10/100BASE-TX s Auto-MDIX, RJ-45 (Keep press key in 7 seconds to play IP)
Passive Switchat 30V/1A AC/DCActive Switched Output12V/500mA DCRS232SupportRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportHID Card(125kHz, 26bit)M1 Card (13.56MHz)Not support		Recommended Cable	HSYV or better
RS232SupportRFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportHID Card(125kHz, 26bit)Not supportM1 Card (13.56MHz)Not support		Passive Switch	Always on and Always close highest at 30V/1A AC/DC
RFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportHID Card(125kHz, 26bit)Not supportM1 Card (13.56MHz)Not support		Active Switched Output	12V/500mA DC
RFID/IC Card Reader(Optional)EM-40XX (125Khz)SupportHID Card(125kHz, 26bit)Not supportM1 Card (13.56MHz)Not support		RS232	Support
RFID/IC Card Reader(Optional)HID Card(125kHz, 26bit)Not supportM1 Card (13.56MHz)Not support		EM-40XX (125Khz)	
		HID Card(125kHz,	
Shell Material Aluminum Cover, Plastic back case		M1 Card (13.56MHz)	Not support
		Shell Material	Aluminum Cover、Plastic back case
Operating Temperature -20°C to 70°C		Operating Temperature	-20°C to 70°C
Working Condition10% - 95%Relative Humidity10% - 95%		•	10% - 95%
Storage Temperature -40°C to 70°C		Storage Temperature	-40°C to 70°C
Installation Embedded installation (pre-burying)	Otructure	Installation	Embedded installation (pre-burying)
Structure Overall Dimension: 174.5×96×44m	Siruclure		Overall Dimension: 174.5×96×44m
Size pre-burying Mounting Dimension:		Size	pre-burying Mounting Dimension:
148×80×36mm			148×80×36mm
Protection ID54		Protection	
Level(Water IP54		Level(Water	IM04
proof/Damp proof)			1

5.1.2. Basic Feature

- Support G.711,G.729 codec.
- Support SIP 2.0(RFC3261) and related RFC.
- Unlock function (swipe or communication)
- Water Proof and Dust Proof;

- Visitor message;
- Calling indoor extension for two-way conversation;
- Software upgrading on line;
- WEB remote management of Terminal malfunction or status;
- •
- 5.1.3. Schematic Diagram



5.2、Owner Remote Opens the Voice Access Controller by VOIP Phone

- 1) Owner calls the Voice Access Controller by VOIP Terminal.
- 2) the Voice Access Controller answers the call automatically.
- 3) Owner enter Authentication code by VOIP Terminal's keypad to open the door.

5.3、Card Management

5.3.1 Issue Card Management

(1) Issue <issue administration card>

Input available card number to ID input field, choose Issuer, then press Add to add Issue Administration Card.

Add Administrator		
ID	0003408920	Add
Туре	Issuer	Add

(2) Issue <Delete administration card>

Input available card number to ID input field, choose "Revocation", then press Add to add Delete Administration Card.

Add Administrator		
ID	0003462746	Add
Туре	Revocation 🗸	Add

(3) Administration Card List

Administrator Table		
ID	Date	Туре
0003408920	December 06 16:47	Issuer
0003462746	December 06 16:48	Revocation

5.3.2 Issue User Card

Issue User Card (method 1):

1) Choose "Card Issuing" in "Door Card".

FUNCTION KEY	DOOR PHONE	Door Card	Door LOG	
Card Reader Settin	g			
State	Card Issuing 🗸]		Apply

2) Press "Apply" to submit new User Card.

Return

3) Put IC card on the Reader Sensing Area, and make sure the reader responded.

4) Choose "Normal" in the Card Reader Setting.

FUNCTION KEY	DOOR PHONE	Door Card	Door LOG	
Card Reader Settin				
Cara Reader Settin	'Y			
State	Normal]		Apply

- 5) Press "Apply".
- 6) You can check the issuing records in "Door Card Table"

Card Table		
ID	Issui	ng Date
000477042	1 Decemb	er 06 16:42

Issue the User Card (Method 2):

- 1) Put Issue Administration Card on the Reader Sensing Area, the controller is on the state of issuing.
- 2) Put IC card on the Reader Sensing Area, and make sure the reader responded.
- 3) Put Issue Administration Card on the Reader Sensing Area again to sign out issuing, then the reader is back to the normal state
- **5.3.3** Delete the user card (Method 1):
 - 1) Choose "Card Issuing" in "Door Card".

FUNCTION KEY	DOOR PHONE	Door Card	Door LOG	
Card Reader Setting				
Caru Reader Setting				
State	Card Revoking 🗸			Apply
State				Арріу

2) Press "Apply" to enter the state of deleting card,

Submit Success		
Return		

- 3) Put IC card on the Reader Sensing Area, and make sure the reader responded.
- 4) Choose "Normal" in the "Card Reader Setting".

FUNCTION KEY	DOOR PHONE	Door Card	Door LOG	
Card Reader Settin	g			
State	Normal]		Apply

5) Press "Apply" .

Delete the user card (Method 2):

- 1) Put Issue Administration Card on the Reader Sensing Area, the controller is on the state of deleting.
- 2) Put IC card on the Reader Sensing Area, and make sure the reader responded.
- 3) Put Issue Administration Card on the Reader Sensing Area again to sign out deleting, then the reader is back to the normal state.

5.3.4、 Add Remote Visit Data

(1) Add new number

After finish filling accounts, choose the number for the user, press "Add".

Access		
Number	7289	
Access Code	800	
Name	william	Add
Department	ODM	Add
Position		
ID	0004770424 🗸	
Access Type	Guest 🗸	

(2) Remote Visit Table

Acce	ss Table						
	Number	Access Code	Name	Position	Department	ID	Access Type
	7289	800	william	ODM		0004770424	Guest