User Manual

FTA1101

Version 1.0

Revision Record

Version	Date	Description	Applicability
V1.0	2017-3-7	The first edition	

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1. Introduction

Thank you for choosing FTA1101 Wireless VoIP ATA adapter. This ATA adapter will allow user to make ATA call using your broadband connection.

This manual provides basic information on how to install and connect FTA1101 VoIP ATA adapter to the Internet. It also includes features and functions of FTA1101 VoIP ATA adapter components, and how to use it correctly.

Before you can connect FTA1101 to the Internet and use it, you must have a high-speed broadband connection installed. A high-speed connection includes environments such as DSL, cable modem, and a leased line.

FTA1101 VoIP ATA adapter is a stand-alone device, which requires no PC to make Internet calls. This ATA adapter guarantees clear and reliable voice quality on Internet, which is fully compatible with SIP industry standard and able to interoperate with many other SIP devices and software on the market.

1.1 Package Contents

User package includes:

- One FTA1101 VoIP ATA Adapter
- One Ethernet cable
- ♦ Two telephone lines

If the above device or accessory is damaged or lost, please contact with your reseller for replacement.

2. Product Overview

2.1 FTA1101

Features/Model	FTA1101
Picture	
Network Ports	2 RJ45 10/100Mbps (WAN/LAN)
FXS Ports	1
SIP Accounts	1
LTE	1
DHCP	Client/Server
Voice Codec	G.711(A-law, U-law), G.729A/AB,G.723,G.722
Management	Integrated IVR, Web browser, Auto-Provision with HTTP/TFTP/HTTPS, TR069, SNMP
FAX	T.30,T.38 Fax

2.2 Hardware Specification

Ite	m	specification
Power Adapter		AC/DC Adapter,
		AC Input: 100~240V, 50~60Hz
CPU		MT7628
Port	WAN	1 RJ-45 for WAN port (Ethernet 100 Base-T)
		1 RJ-45 for LAN port (Ethernet 100 Base-T)
		1 RJ-11 for FXS port
		1 USB
		IEEE802.11 b/g/n

Operating Temperature	-5~45°C(41~113°F)
Storage Temperature	-25~85°C(-13~185°F)
Relative Humidity	$10 \sim 90\%$ (No condensing)
Dimension (L×W×H)	85×85×28mm
Weight (packaging included)	366g
Certification	CE / FCC / RoHS

2.3 Front View and LEDs Introduction



Front View

LED Indicator	Color	Status	Description
Power	Red	Solid	The device network is working normally
		Blinking	The device is power on

Port	Name	Description
Reset	Reset	Press 10s to set FTA1101 factory settings.
WANLAN	WAN(RJ-45)	Connect to Internet or router
LAN	LAN(RJ-45)	Connect to PC or build a small LAN network
PHONE	PHONE(RJ11)	Connect to traditional phone or FAX Machine

	USB	For phone charger or LTE Dongle
USB		

Installation

This chapter introduces how to install FTA1101..

2.4 Connection topography



2.5 Installation Steps

- Step 1: Insert one end of the Ethernet cable into the WAN port on the back panel of the FTA1101 and the other end of cable to your existing broadband connection port (e.g. router or Ethernet switch)
- Step 2: Connect the LAN port on the back panel of the FTA1101 to your conventional ATA using a standard ATA cabling
- Step 3: If need to set up a small LAN network, the FTA1101 should work in router or bridge mode so that you or more people can access to the Internet through FTA1101. Then you need to connect your PC or LAN connection equipment (e.g. Ethernet switch) to the LAN port on the back panel of the FTA1101 using Ethernet cable. (Step 3 is optional depending on your needs)
- Step 4: Connect the power adapter to the power port at the back panel of FTA1101 and then plug another end of power adapter into a wall outlet or power strip. The LED of FTA1101 will turn on to indicate operated properly.

Warning: Please do not attempt to use other different power adapter or cut off power supply

during configuration or updating FTA1101 VoIP ATA adapter. Using other power adapter

may damage FTA1101 VoIP ATA adapter and will void the manufacturer warranty.

3. IVR

3.1 Ways to Configuration

FTA1101 support three ways to configuration.

- ♦ Use IVR.
- Use web browser (recommend way)
- Use provision.

3.2 Start IVR

Customer can use the IVR function by referring to the following steps:

Step 1.Connect analog phone to FTA1101's phone port

- Step 2.Pick up phone and press "****" to start IVR, then FTA1101 will report sound prompting "please enter your option, one WAN Port".
- Step 3.Choose the operation code from 0 to 9, then FTA1101 will report the contents, details are in the following table.
- Step 4.Every time after successfully operation, FTA1101 will return to sound prompting "please enter your option, one WAN Port".

3.3 IVR Description

Below is the table that lists command, and description.



Operation code	Contents
	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "1", and FTA1101 report the current WAN port
	connection type
	Step 3.Prompt "Please enter password", user need to input password
	with end char # if user want to configuration WAN port
	connection type.
1	\diamond The password in IVR is same as the one of WEB login, user can use
	phone keypad to enter password directly, and the matching table is
	in Note 4.
	\diamond For example: WEB login password is "admin", so password in IVR
	is "admin" too, user input "23646" to access and then configuration
	WAN connection port.
	Step 4.Report "operation successful" if password is right.
	Step 5.Choose the new WAN port connection type from 1.DHCP and
	2.Static
	Step 6.Report "operation successful", this means user make the changes
	successfully, and then FTA1101 will return to sound prompting
	"please enter your option, one WAN Port".
	\diamond Note: add "#" to assume after input password and selected new
	WAN port connection type
	♦ If you want to quit by the wayside, press "*"
	Step 1.Pick up phone and press "****" to start IVR
	Step 2. Choose "2", and FTA1101 report current WAN Port IP Address
_	Step 3.Input the new WAN port IP address and with the end char #,
2	\diamond using "*" to replace ".", user can input 192*168*20*168 to set the
	new IP address 192.168.20.168
	♦ press # key to indicate that you have finished 0. A D = 4 th / _t
	Step 4. Report "operation successful if user operation property.
	 Note: If you want to quit by the wayside, press *** . Step 1 Dick on a base and more "****" to step U/D
	Step 1. Pick up priore and press that to start IV R
	Step 2. Choose 5, and FIAITOI report current wAN port subnet mask
2	Step 5. Input a new WAN port subject mask and with the end char $\#$
5	new WAN port subnet mask 255 255 255 0
	\Rightarrow press # key to indicate that you have finished
	3) Report "operation successful" if user operation properly
	\diamond Note: If you want to quit by the wayside press "**"
	Step 1 Pick up phone and press "****" to start IVR
	Step 2 Choose "4" and FTA1101 report current gateway
	Step 3 Input the new gateway and with the end char #
4	\Rightarrow using "*" to replace ".", user can input 192*168*20*1 to set the

	new gateway 192.168.20.1
	♦ press # (pound) key to indicate that you have finished
	3) Report "operation successful" if user operation properly.
	♦ Note: If you want to quit by the wayside, press "**".
	Step 1.Pick up phone and press "****" to start IVR
5	Step 2.Choose "5", and FTA1101 report current DNS
	Step 3.Input the new DNS and with the end char #
	\diamond using "*" to replace ".", user can input 192*168*20*1 to set the
	new gateway 192.168.20.1
	♦ press # (pound) key to indicate that you have finished
	3) Report "operation successful" if user operation properly.
	\diamond If you want to quit by the wayside, press "**".
	Step 1.Pick up phone and press "****" to start IVR
6	Step 2.Choose "6", and FTA1101 report "Factory Reset"
	Step 3.Prompt "Please enter password", the method of inputting
	password is the same as operation 1.
	\diamond If you want to quit by the wayside, press "*".
	Step 4.Prompt "operation successful" if password is right and then
	FTA1101 will be factory setting.
	Step 5.Press "7" reboot to make changes effective.
	Step 1.Pick up phone and press "****" to start IVR
7	Step 2.Choose "7", and FTA1101 report "Reboot"
	Step 3.Prompt "Please enter password", the method of inputting
	password is same as operation 1.
	Step 4.FTA1101 will reboot if password is right and operation is
	properly.
	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "8", and FTA1101 report "WAN Port Login"
8	Step 3.Prompt "Please enter password", the method of inputting
	password is same as operation 1.
	\diamond If you want to quit by the wayside, press "*".
	Step 4.Report "operation successful" if user operation properly.
	Step 5.Prompt "1enable 2disable", choose 1 or 2, and with confirm char
	#.
	Step 6.Report "operation successful" if user operation properly.
	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "9", and FTA1101 report "WEB Access Port"
	Step 3.Prompt "Please enter password", the method of inputting
9	password is same as operation 1.
	Step 4.Report "operation successful" if user operation properly.
	Step 5.Report the current WEB Access Port
	Step 6.Set the new WEB access port and with end char #

	Step 7. Report "operation successful" if user operation properly.
0	Step 1.Pick up phone and press "****" to start IVR
	Step 2.Choose "0", and FTA1101 report current Firmware version

3.4 Notice

- In Voice Menu, press *(star) to return to up level menu.
- If any changes made in the IP assignment mode, please reboot the FTA1101 to take the settings into effect.
- When enter IP address or subnet mask, input "*" after an address field and add "#" to finish inputting

For example, to enter the IP address 192.168.1.11 by keypad, press these keys: 192*168*1*11#.

- You can enter the password by phone keypad, the matching table between number and letters as follows:
 - To input: A, B, C, a, b, c -- press '2'
 - To input: D, E, F, d, e, f -- press '3'
 - To input: G, H, I, g, h, i -- press '4'
 - To input: J, K, L, j, k, 1 -- press '5'
 - To input: M, N, O, m, n, o -- press '6'
 - To input: P, Q, R, S, p, q, r, s -- press '7'
 - To input: T, U, V, t, u, v -- press '8'
 - To input: W, X, Y, Z, w, x, y, z -- press '9'
 - To input all other characters in the administrator password-----press '0', E.g. password is 'admin-admin', press '23646023646'.
- Press # (pound) key to indicate that you have finished entering the IP address or subnet mask or other settings.
- When assigning IP address in Static IP mode, customer must set IP address, subnet mask and default gateway. If in DHCP mode, please make sure that DHCP Server is available in your existing broadband connection to which WAN port of FTA1101 is connected.

4. Parameters Introduction

4.1 Password

- There are 2-level to access to FTA1101: administrator level and user level, password of different levels are different.
- User with administrator level can browse and set all configuration parameters, while user with user level can set all configuration parameters except SIP1/2 that some parameters can not be changed, such as server address and port. User has different access level with different password.
 - ♦ Default user with administrator level:
 Username:admin, Password: admin
 - ♦ Default user with user level
 Username:admin, Password: user

4.2 URL format

The WEB login URL format is <u>http://xxx.xxx.xxx.xxx.</u> xxx.xxx.xxx stands for the IP address of LAN or WAN port.

Below are two examples about the URL of LAN port and WAN port.

◆ LAN port:

Default URL of LAN port is: http://192.168.1.1

Note: 192.168.1.1 is FTA1101 default LAN port's IP address

• WAN port:

Get WAN port address from IVR function or in Status/Basic webpage (Assuming the IP is: 192.168.100.18) The URL: http://192.168.100.18

5. Login to WEB

FTA1101 has an embedded Web server that will respond to HTTP get/post requests. User can use a Web browser like Microsoft's IE to login and then configure FTA1101.

5.1 Login WEB via LAN port

Step 1: Open WEB browser;

Step 2: Input the LAN port URL, default is http://192.168.1.1;

Note:

- ♦ User PC has the IP Address which is in the same segment of LAN port IP address, otherwise you can not open the login page successfully.
- Step 3: Once the right http request is entered and sent by the Web browse, the ATA will respond with the following login page.

VoIP	control panel	
	Username Login	

Step 4: Input the password

Note: The password is case sensitive.

Step 5: First page user will see is Status page.

5.2 Login WEB via WAN port

- Step 1: Open WEB browser;
- Step 2: Lookup WAN port IP Address from IVR function or from WEB;
- Step 3: Input the WAN port URL

User's PC should have the IP Address which is in the same segment of WAN port IP address, otherwise you can not open the login page successfully.

- Step 4: Once the right http request is entered and sent by the Web browse, the ATA will respond with login page.
- Step 5: Input the password

Note: The password is case sensitive.

5.3 WEB Interface Introduction

VoIP Status Network Wireless	SIP Account Phone Ad	Firmware Version V2 Current Time 2017 03-07-01:02 Admin Mode [Loqout] [Reboo 5	
Basic LAN Host Syslog 2			
Product Information 3			Help
Product Information Product Name Internet(WAN) MAC Address PC(LAN) MAC Address Hardware Version	FTA1101 00:21:F2:10:CC:35 00:21:F2:10:CC:34 V2.1		Product Information: It shows the basic information of the product. Line Status: It shows the registration state of each line.
Loader Version Firmware Version Serial Number	V3.32(Dec 21 2016 10:57:21) V3.20(201703070740) FLY84171000014	4	Network Status: It shows the information of Internet Port,WIFI and PC port.
Line Status		6	System Status: It shows the current time and the running time of the product.

	Name	Description		
1	navigation bar	Click navigation bar, many sub-navigation bar will appear in		
		the place 2		
2	sub-navigation bar	Click sub-navigation bar to enter to configuration page		
3	configuration title	The configuration title		
4	configuration bars	The configuration bars		
	main information	Display the firmware version, DSP version, Current Time,		
5		and user can change login level (mode) to return to login		
		page by press blue Switch button.		
	Help	Display the main information for configuration; user can get		
6		help from it directly.		

Please REBOOT to make the changes effective!

	Save Cancel Reboot
Save	 Every time making some changes, user should press the button to confirm the changes. After pressing the button, the red notice Please REBOOT to make the changes effective! will appear to notice user to reboot.
Cancel	To cancel the changes.
Reboot	Press it to reboot FTA1101.

6. Configuration from WEB

6.1 Status

User can view FTA1101 Basic and Syslog. It is the first page which user will see firstly after login to WEB.

6.1.1 Basic

User can see the Product Information, SIP Account Status, Net Status, VPN Status, LAN Status, and System Status.

1/- 10		Firmware Version V3.20 Ourrent Time 2017-03-06 23:50:01
VOIP	control panel	Admin Mode [Logout] [Reboot]
Status Network Wireless	SIP Account Phone Administration	
Basic LAN Host Syslog		
Product Information		Help
Product Information		Product Information:
Product Name	FTA1101	It shows the basic information of the product.
Internet(WAN) MAC Address	00:21:F2:10:CC:35	the the
PC(LAN) MAC Address	00:21:F2:10:CC:34	Line Status: It shows the registration state of each
Hardware Version	V2.1	line.
Loader Version	V3.32(Dec 21 2016 10:57:21)	Network Status:
Firmware Version	V3.20(201703070740)	It shows the information of Internet Port, WIFI and PC port.
Serial Number	RLY84171000014	System Status:
Line Status		It shows the current time and the running time of the product.
Line Status		
Line 1 Status	Disable	
Primary Server	0.0.0.0	
Backup Server	0.0.0.0	
Network Status		1
Active WAN Interface		1
Connection Type	DHCP	
IP Address		
Link-Local IPv6 Address		
Subnet Mask	255.255.255.0	
Default Gateway		
Primary DNS		
Secondary DNs		
10V6 PD Prints		
tout Primary DNS		
Intel Secondary DNS		
WAN Port Status	Lisk Down	
	Lin Down	
VPN Status	Plankla	
Initial Service IP	Disable	
Virtual IP Address		
AN Dort Status		
IP Address	192.168.1.1	
Subnet Mask	255.255.255.0	
Port Status	100Mbps Full	
Wisslass Info		1
Wireless Info		
Radio On/Off	00	
Network Mode	11h/n/n mixed mode	
Current Channel	11	
Channel Bandwidth	40MHz	
FTA1101-10CC34	00/31/53/10/07/24	
Number of Device	0	
System Status		1
System Status		
Current Time	2017-03-06 23:50:01	
Llapsed Time	10 Mins	
	Refresh	

6.1.2 Syslog

In this configuration Interface, you can view Syslog, which record the FTA1101's important configuration information.

By default, syslog is enabled, and the level is INFO, there are two system log level, INFO and Debug, in Debug level, there will be more information. If you want to change, please go to **Administration/Management** page, **System Log Setting** column to change.

Va	oIP		contr	ol par	nel		Current T Admin Moo	Firmware Version V3.20 ime 2017-03-07 01:18:51 le [Loqout] [Reboot]
Status	Network	Wireless	SIP Account	Phone	Administration			
Basic	LAN Host	Syslog	·					
Refresh	Clear Save]						
Manufact ProductC SerialNur BuildTim ID:192.1 HWVer:V. SWVer:SWVer	urer;FLYINGVO lass;FTA1101 ber;FLV84171; 2:0170307074 8:1.1 3:20170307074 3:2.1 3:20:48:12 2 3:20:48:12 2 3:20:48:12 2 3:20:48:12 2 3:20:48:12 2 3:20:48:12 2 3:20:48:20 2 3:20:48:20 2 3:20:48:20 2 3:20:48:20 2 3:20:48:20 2 3:20:48:20 2 3:20:48:20 2 3:20:48:20 2 3:20:48:20 2 3:20:48:25 2 3:20:48:54 2 3:2	CE 000014 10 017> init: Syste 017> LinkStatu 017> LinkStatu 017> udncpd[4 017> udncpd[4 017> udncpd[4 017> dnsmasq[017> dnsmasq[017> dnsmasq[017> dnsmasq[017> dnsmasq[017> dnsmasq[017> dnsmasq[017> goahead[017> goahead[017> goahead[017> goahead[017> goahead[017> goahead[017> provision 017> tro69[10]	em Start s: WAN Link Down s: LANI Link Down 136]: udhcpc (v1. 1877]: udhcpd (v1. 1877]: udhcpd (v1. 1877]: udhcpd (v1. 18315]: compile tin 5315]: romaine tin 5315]: romaine tin 5315]: romaine tin 136]: No lease, for [10635]: start 10915]: webs: tin 10915]: webs: Lint 10915]: WisignalC [10635]: Start to cl 26]: Get server(ac 126]: Ret yession 26]: Ret yession	12.1) started 12.1) started ision 2.40 ca reoptions: II root forund in /etc osts - 2 addi rking to back duled Tasks ubooting**** booting**** ubooting**** ubooting**** schooting*** ubooting**** schooting**** schooting****	d d chesize 150 Pv6 GNU-getopt no-R c/resolv.conf, will retr resses kground ALL Disabled.exit. TP requests at addres 18) 000[30][9000][9000] file re.net:8080) address i mods at Jan 3 20:49:2	TC no-MMU no-ISC y s 192.168.1.1)] nformation f 6 (retrycnt=		

Click Refresh to refresh the system log, and click Clear to empty the current system log and click Save to save the system log to your local PC.

6.2 Network

6.2.1 WAN

	The Internet	The Internet Setup is to set WAN port mode, IP address and so on.					
	User can choose one WAN mode from Static, DHCP and PPPoE						
Introduction	Static: Users need to set IP Address Subnet Mask Gateway IP and DNS						
introduction	DHCP: FTA 1	DHCP: FTA 1101 will auto-configuration the WAN parameter with immediate					
		101 will auto-configuration the wAit parameter with infinediate					
	effect.						
	PPPoE: Users	s can enable FTA1101 to connect to Internet by ADSL.					
		Status Network Wireless SIP Account Phone Administration					
	WAN LAN IPv6 Advanced IPv6 WAN IPv6 LAN VPN Port Forward DMZ						
		Eoip Tunnel					
		INTERNET					
	WED						
	WED	WAN IP Mode Static					
	Interface	IAN Connection Mode					
		Static					
1.Static		IP Address 192.168.10.55					
		Subnet Mask 255.255.0					
		Dis Mode					
		Primary DNS 192.168.10.1					
		Secondary DNS 192.168.10.1					
		1) Set "Static" in the "INTERNET" text.					
		2) Set IP address, the IP address is the one of the local area					
	Settings	network.					
	Introduction	3) Set Subnet Mask, it is usually "255.255.255.0" for the local					
		area network.					
		4) Set Gateway, you can get it from your Administrator.					
		5) Set DNS, you can get it from your Administrator.					
		Status Network Wireless SIP Account Phone Administration					
		Status Network Wireless SIP Account Phone Administration					
		WAN LAN IPv6 Advanced IPv6 WAN IPv6 LAN VPN Port Forward DMZ					
		Eoip Tunnel					
		INTERNET					
	WEB	WAN					
2.DHCP	Interface	WAN IP Mode DHCP V					
		DHCP Server					
		MAC Address Clone Disable					
		LAN Connection Mode NAT V					
		Primary DNS					
		Secondary DNS					
		1) Set "DHCP" in the "INTERNET" text.					

	Settings	2) DNS type: Manual and Auto						
	Introduction	◆ In Manual: user should set the Primary DNS and Second						
		DNS manually.						
		In Auto: FTA 1101 x	vill get the Primary DNS and Second					
		DNS from DHCP S	erver automatically					
			erver automaticany.					
		Status Network Wireless	SIP Account Phone Administration					
		WAN LAN IPv6 Advanced	IPv6 WAN IPv6 LAN VPN Port Forward DMZ					
		Eoip Tunnel						
	WEB	INTERNET						
	Interface	WAN						
	Interface	WAN IP Mode						
		LAN Connection Mode	NAT T					
		DNS Mode	Auto V					
		Primary DNS						
		Secondary DNS						
		PPPoE	010/2000000					
3.PPPoE		PPPOE Password	••••••					
		Confirm Password	••••••					
		Service Name						
			Leave empty to autodetect					
		Operation Mode Keep Alive Redial Period(0-3600s)	Keep Alive					
			L					
		1) Set "PPPoE" in the "II	NTERNET" text					
		2) Fill the PPPoE account and password in the texts.						
		3) You should set "manual" in the "DNS Mode" if you set "DNS" by yourself. And then fill the DNS in the two following texts. Generally speaking, you can set "Auto" in the "DNS Mode" and						
	Settings	FTA1101 will get "DNS	" from DHCP Server automatically.					
	Introduction	4) You should click the "Reboot" in the left of the page to reboot the FTA1101 if you see the words "Please REBOOT to make the						
		changes effective!" After	Reboot, you can see PPPoE Status and					
		the network parameters is	n the System Status page if FTA1101					
		connect successfully.						
		You can select the "PPPoE" IP Mode if you are family users or						
		your reconnects to internet by ADSL. You should conn DO with ETA 11012- LANL In Jeta'll an angeota (1 - 0.1)						
	N. III detail, you can see the following							
		LAN settings.						
		WAN connection can not be shared between the binding port,						
		and finally bound port WAN connections bind operation will						
Port	Bind	wash away before the other WAN connection to the port binding						

	operation! When you set several different vlans for WAN port,
	user can use this option to define the LAN port's service, usually
	please bind Internet VLAN to LAN port.

6.2.2 LAN

In this page, user can set the IP address of the device and set DHCP server. DHCP server is a kind of network function, FTA1101 can supply DHCP service for the network which is linked with FTA1101's LAN if you enable the DHCP server for FTA1101's LAN.(By default this is enabled).

WEB Interface		Settings Introduction
		1) Local IP Address and Local Subnet Mask
		Set the LAN port IP address and subnet
		mask. By default the address is 192.168.1.1
		and subnet mask is 255 255 255 0
		2) Local DHCP Server and DHCP Start/End
Status Network Wireless SIP Account	Phone Administration	2) Local DHCF Server and DHCF Start/End
WAN LAN IPv6 Advanced IPv6 WAN IPv	6 LAN VPN Port Forward DMZ	Address
Eoip Tunnel		If or not enable the DHCP service, and set
PC Port(LAN)		the start and end address of the DHCP server.
Local IP Address	192.168.1.1	By default DHCP server is enabled.
Local Subnet Mask	255.255.255.0	2) DNS Mode and Primary/Secondary DNS
Local DHCP Server	Enable V	5) Divis whole and Filling y secondary Divis
DHCP Start Address	192.168.1.2	Set the DNS mode and address for the DHCP
DNS Mode	Auto 🔻	server. If set Auto, the device will get the
Primary DNS	192.168.1.1	server. If set Auto, the device will get the
Secondary DNS	192.168.1.1	address from the upstream route, if set
Client Lease Time(0-86400s)	DHCP Client List	Manual, user need enter the primary and
DHCP Static Allotment NO. MAC	IP Address	secondary DNS.
Delete Selected Add Edit		
DNS Proxy	Enable V	4) Client Lease Time
		Set client lease time.
		5) DNS Proxy
		If or not enable DNS proxy.
		User can use the default settings.

By default, the LAN port works in NAT mode, if user wants to make it work in Bridge mode,

please go to Network-->WAN page to set.

Status	Network	Wireless	SIP Acco	unt P	hone	Administration
WAN	LAN IPv6	Advanced	IPv6 WAN	IPv6 LA	N VPI	N Port Forward
Eoip Tun	inel					
INTER	NET					
VAN -						
WAN IP	Mode		DHCP	•		
DHCP S	erver					
MAC Ad	dress Clone		Disabi	e 🔻		
LAN Cor	nnection Mode		NAT	*		
DNS Mo	de		Bridge		>	
Primary	DNS					
Seconda	ary DNS					

6.2.3 VPN Settings

Generally	FTA1101 has two kinds VPN: PPTP and L2TP.		
Introduction			
WEB Interface	Status Network Wireless SIP Account Phone Administration WAN LAN IPv6 Advanced IPv6 WAN IPv6 LAN VPN Port Forward DMZ Eoip Tunnel VPN Settings Disable VPN Port Forward DMZ VPN Settings Disable Pisable Pisable PISABLE VPN Enable Disable PISABLE PISABLE Save & Apply Save Cancel Reboot		
Settings Introduction	 1)VPN Enable: If or not enable VPN, user can select from PPTP and L2TP. 2)Initial Service IP: VPN server IP address 3)User Name: the user name for authentication 4)Password: password for authentication 		

6.2.4 DMZ

	•	FTA1101 will forbid the outside requests if you enable the NAT.
		However, sometimes it is needed to access the PC which is linked
		with FTA1101's LAN to use the PC's service. Now, you should use
Generally		the FTA1101's DMZ to realize it.
Introduction	•	Here, DMZ is the same with mapping ports for network equipment.
	٠	PC which is linked with FTA1101's LAN can get the requests from

	 the LAN by some ports of FTA1101's WAN retransmits. (Your PC is DMZ computer for short as follows.) User must enable "NAT" mode when want to use DMZ. 									
WEB Interface	Status Network Wireless SIP Account Phone Administration WAN LAN IPv6 Advanced IPv6 WAN IPv6 LAN VPN Port Forward DMZ DDNS Eoip Tunnel Demilitarized Zone (DMZ) DMZ Setting DMZ Enable Disable									
Settings Introduction	 1)DMZ Enable: if or not enable DMZ 2)DMZ Host IP Address: set the IP address of DMZ host For example, the DMZ computer's IP is "192.168.1.2", the DMZ function is that DMZ computer can get the requests from the ports of FTA1101's WAN port. 									

6.2.5 DDNS

Webpage	Description					
Status Network Wireless SIP Account Phone Administration	Dynamic DNS provider: Select the DDNS provider.					
WAN LAN IPv6 Advanced IPv6 WAN IPv6 LAN VPN Port Forward DMZ DDNS Ecip Tunnel	Account: Enter the account user gets from the DDNS					
DDNS Setting	provider.					
DDNS Setting Dynamic DNS Provider None	Password: Enter the password user gers from the					
Account Password	DDNS provider.					
DDNS URL Status NONE	DDNS: Enter the DDNS domain.					
	Status:Display the DDNS connection status.					

6.2.6 Port Setting

Status	Net	work	Wireless	SIP Acco	unt Ph	one A	dministration						
WAN	LAN	IPv6	Advanced	IPv6 WAN	IPv6 LAN	VPN	Port Forward	DMZ	DDNS	Port Setting			
Eoip Tu	nnel												
Port 9	Port Setting												
Port Sett	ing –												
WAN F	ort Spee	d Nego				Auto	•						
LAN1	Port Spee	ed Nego				Auto	•						

In this webpage, user can set WAN/LAN port speed negotiation, default are Auto, and options are 100Mbps Full, 100Mpbs Half,10Mbps Full and 10Mbps Half.

6.3 Wireless

6.3.1 Basic

	Status	Network	ireless	SIP Acco	ount	Phone	Adm	ninistration				
	Basic	Wireless Security	WMM	WDS	WPS	Station	Info	Advanced				
	Basic W	Basic Wireless Settings										
	Wireless Ne	etwork										
	Radio On/Off											
	Wireless	AP	Ap v									
	Network	111	11b/g/n mixed mode ▼									
	Multiple 9	SSID			FTA	1101-10CC	34	Enable 🗹	Hidden 🔲	Isolated 🔲	Max Client 16	
	Multiple 9	SSID1						Enable 🗆	Hidden 🔲	Isolated 🔲	Max Client 16	
	Multiple 9	SSID2						Enable 🗆	Hidden 🗆	Isolated 💷	Max Client 16	
	Multiple 9	SSID3			Enable Hidden Isolated Max Client 16							
	broadcas	۲	Enable 🔍	Disable	Э							
	AP Isolati		Enable 🔍	Disable	9							
WEB	BSSID /	00	Enable	Disable C:34	9							
To the Contract	Frequenc	y (Channel)			Aut	Auto						
Interface	HT Physic	cal Mode										
	Operating	g Mode			۲	Mixed Mode Green Field						
	Channel BandWidth					20 20/	40					
	Guard Interval Reverse Direction Grant(RDG)					ong 🔍 Sł	Fooble					
	STBC	Shection Grand(RDG	/		Disable Enable							
	Aggregat	ion MSDU(A-MSDU)			Disable Description							
	Auto Blog	ck ACK			Disable Enable							
	Decline B	3A Request				Disable 🔍	Enable					
	HT Disall	ow TKIP			0	Disable 🖲	Enable)				
	HT LDPC				Disable Disable							
	1) Radi	io On/Off:	Selec	t Radio	o On	to ena	ble	the wir	eless, s	select R	adio Off to	
	disable	wireless.										
	2) Netw	work Mode	r: Ch	oose oi	ne ne	twork	mo	de fron	n the fi	ve type	S.	
C atting and	2) OOH	.		1	-1		:			,		
Settings	<i>3)</i> 3311	J. The nam		ne wir	eless	name	, 11 C	an de a	my tex	i numbe	ers or various	
Introduction	special	characters	. The	defaul	t SSI	D is "	VW.	RT510	131028	8".		
	4) Mult	tiple SSID	l-3: U	Jser ca	n set	multi	ole S	SSID.				
	5) h===	denat(COT	N. T£			- COT			+			
	3) broa	lucast(551L): If (or not o	enaol	ie 331	D Dr	oadcas	ι.			

6.3.2 Wireless Security

	Status	Network	Wireless	SIP Acc	count	Phone	Adı	ninistration				
	Basic	Wireless Security	WMM	WDS	WPS	Station	Info	Advanced				
	WIFI	WIFI Security Setting										
Select SSID												
	SSID cl	noice				FTA1101-10CC34 V						
	"FTA11 Securit	01-10CC34" y Mode			WPA-PSK T							
WEB	WPA WPA AI	gorithms			TKIP AES TKIPAES							
Interface	Pass Ph	irase				*****	*****	*				
	Access Policy Add a s	policy			Disable ▼(The maximum rule count is 64)							
- ·	1)SSID Choice: Choose one SSID from SSID, Multiple SSID1, Multiple SSID2 and Multiple SSID3.											
Settings	2) Seci	arity Mode:	Select	an appi	opria	te encry	yptic	on mode to improve				
Introduction	the sec	urity and pri	ivacy o	f your	wirele	ss data	pac	kets. Each encryption mode will				
	bring out different web page and ask you to offer additional configuration.											

6.3.3 WMM

Status	Network	Wirel	ess	SIP Acco	unt	Phone	Adn	ninistration						
Basic	Wireless Seco	urity N	VMM	WDS	WPS	Station	Info	Advanced						
	WMM Parameters of Access Point													
	Aifsn			CWMin		CWMax		Тхор	ACM	AckPolicy				
AC_	BE	3		15 🔻		63 🔻		0						
AC_	ВК	7		15 🔻		1023 🔻		0						
AC_	VI	1		7 🔻		15 🔻		94						
AC_	vo	1		3 🔻		7 🔻		47						

6.3.4 WPS

	Status	Network	Wireless	SIP Ac	count	Phone	Adr	ministration
	Basic	Wireless Securi	ty WMM	WDS	WPS	Station	Info	Advanced
	WPS S	Setting						
WEB Interface	WPS Conf WPS D Apply	fig ⊅isable ▼						
	1)WPS	: If or not	enable	WPS.				
Settings Introduction	2) App	Press	the butto	on to a	pply.			

6.3.5 Station Info

Status	Network	Wireless	SIP Account		Phone Adm		ninistration		
Basic	Wireless Secur	ity WMM	WDS	WPS	Station	Info	Advanced		
Wirele	ss Status								
Nireless S	Status								
Current	Channel		Channel	11					
FTA110	1-10CC34		00:21:F2	::10:CC:34					
Wirele	ss Network								
Nireless N	Network								
MAC Ad	ldress	Aid	PSM	Mir	noPS	MCS	BW	SGI	STBC

6.3.6 Advanced

Status	Network W	lireless	SIP Acc	ount	Phone	Adn	ninistration	
Basic	Wireless Security	WMM	WDS	WPS	Station	Info	Advanced	
Advan	ced Wireless							
Advanced	Wireless							
BG Pro	tection Mode				Auto	•		
Beacon	n Interval				100	ms	(range 20 - 999, default 100)	
Data B	eacon Rate (DTIM)				1	(ra	nge 1 - 255, default 3)	
Fragme	ent Threshold				2346	(ra	ange 256 - 2346, default 2346)	
RTS Th	nreshold				2347	(ra	ange 1 - 2347, default 2347)	
TX Pov	ver				100	%	(range 1 - 100, default 100)	
Short F	Preamble				◯ Er	able	Disable	
Short 9	Slot				Er	able	Disable	
Tx Bur	st				Er	nable	Disable	
Pkt_Ag	gregate				🔍 Er	able	Disable	
Countr	y Code				US (I	United :	States) 🔻	
Suppor	rt Channel				Ch1~	11 🔻		
Wi-Fi WMM (Multimedia Capable							
Multipl	e SSID				1			
Multipl	e SSID1							
Multipl	e SSID2							
Multipl	e SSID3							
APSD (Capable				🔍 Er	nable	Disable	
DLS Ca	pable				🔍 Er	nable	Disable	

6.4 SIP

6.4.1 Line1

	WEB Interface	Status Network Wireless SIP Account Phone Administration Line 1 SIP Settings VoIP Qos Basic Basic Basic Basic Enable Outgoing Call without Registration Disable • Proxy and Registration Proxy Port 5060 S060 Outbound Server Outbound Port 5060 Backup Outbound Server Backup Outbound Port 5060 Display Name Phone Number Password
Basic	Settings Introduction	 Line Enable: If or not enable FXS1 Peer To Peer: If or not enable Peer To Peer on FXS1 port. SIP Proxy: The IP address of SIP Server. SIP Proxy Port: The port which SIP Server supports for VOIP service, default is 5060. You should enable "Carry Port Information" in the Other Settings page if the SIP Server Port is not 5060 or SIP messages need to carry port information. Outbound Proxy: outbound Proxy ip or domain name. Outbound Proxy Port: outbound Proxy's Service port. Backup Outbound Proxy: an backup outbound proxy IP or domain name. Backup Outbound Port: backup outbound Proxy's Service port Display Name: The number will display in callee. Phone Number: Number of telephone provided by SIP Proxy. Account: Account of telephone provided by SIP Proxy. Password: Enter the password of the account.
		Audio Configuration Codec Setup Audio Codec Type 1 G.711U Audio Codec Type 2 G.711A
Audio Configuration	WEB Interface	Audio Codec Type 3 G.729 Audio Codec Type 4 G.722 Audio Codec Type 5 G.723 G.723 G.723 Coding Speed S.3k bps Packet Cycle(ms) 20ms Silence Supp Disable Disable Echo Cancel Enable T.38 Redundancy Disable Disable T.38 CNG Detect Enable Enable gpmd attribute Enable Disable
		1) Audio Codec: There are 5 kinds of Audio Coding Modes:

		G.711A, G.711U	, G.722,G.729 and	G.723. And G.7	23 support						
		5.3kbps and 6.3k	tops coding speed								
		2) Packet Cycle(ms): the RTP pac	ket cycle time							
	Sattings	2) Fuence Cycle(Enable: if or not of	noble silence							
	Jettings										
	Introduction	4)Echo Cancel: 1	f or not enable ec	ho cancel							
		5)T.38 Enable: if	f or not enable T.3	8							
		6)T.38 Redundar	ncy: if or not enab	le T.38 redundat	ncy.						
		7)T.38 CNG Det	ect Enable: if or r	ot enable CNG	detect.						
		8)gpmd attribute Enable: if or not enable gpmd attribute.									
		Supplementary Service Subscription									
	WEB	Supplementary Services									
	Interface	Call Waiting MWI Enable	Enable T Enable T	Hot Line Voice Mailbox Numbers							
	Interface	MWI Subscribe Enable	Disable 🔻	VMWI Serv	Enable 🔻						
		DND	Disable V								
	Settings	1)Call Waiting:	if or not enable	call waiting, by	default it is						
	Introduction	ion enabled.									
Supplementary		2)Hot Line: Ente	r the hot line nun	nber, after user c	onfigure this,						
Service		the device will d	ial out the hot lin	e number autom	atically when						
Subscription		user nick un the	handset or press t	he sneaker butto	n						
Subscription		user pick up the handset of picss the speaker button.									
				is, please add de							
		T behind the n	umber, for exam	ple, 51114, the	e device will						
		delay 4 seconds	before dial the n	umber when yo	u pick up the						
		handset.									
		3)MWI Enable:	If or not enable M	IWI.							
		4)Voice MailBox	x Numbers: enter	the voice mail b	ox number.						
		5)DND: If or not	t enable DND.								
		Advanced									
		Domain Name Type	Enable 🔻	Carry Port Information	Disable 🔻						
		Signal Port	54019	DTMF Type	Inband 🔻						
		RFC2833 Payload(>=96) Caller ID Header	101	Register Refresh Interval(sec) Remove Last Reg	3600						
		Session Refresh Time(sec)	0	Refresher	UAC T						
		SIP 100REL Enable	Disable V	SIP OPTIONS Enable	Disable V						
	WED	Primary Server Detect Interval	0	Max Detect Fail Count	3						
	WED	NAT Keep-alive Interval(10- 60s)	15	Anonymous Call	Disable 🔻						
	Interface	Anonymous Call Block	Disable 🔻	Proxy DNS Type	A Type 🔻						
		Use OB Proxy In Dialog	Disable V	Complete Register	Disable						
Adversed		Dial Prefix	2,20010	User Type	Phone						
Auvanceu		Hold Method	ReINVITE V	Request-URI User Check	Enable 🔻						
Setup		Only Recv Request From Server	Disable V	Server Address							
· ·		SIP Received Detection	Disable	VPN RTP Encrypt Type	Disable V						
		Country Code		Remove Country Code	Disable V						
		Tel URL	Disable 🔻	Use Random SIP Port	Enable 🔻						
		Min Random SIP Port	50000	Max Random SIP Port	60000						
		Preter Primary SIP Server	Disable 🔻	Hold SDP Attribute Inactive	Disable 🔻						
		RTP Advanced Setup									
		RTP Port Min	0 (0 means auto select)	RTP Port Max	50000						
		1) Domain name	Mode: If or not u	ise domain name	e in the SIP						
		URI.									

	2). Carry Port Information: If or not carry Port information in
	the SIP URI.
	3) Signal Port: The local port of SIP protocol, default is 5060.
	4) DTMF Type: choose the DTMF type from IN_band,
	RFC2833 and SIP INFO.
	5) RFC2833 Payload (>=96): User can use the default setting.
	6) Register Refresh Interval (Second): The interval between
	two normal Register messages. You can use the default setting.
	7). RTP Port: FTA1101 will select idle port for RTP if you set
	"0", otherwise FTA1101 use the value you set. Generally
	speaking, set "0".
	8) Cancel Message Enable: when you set enable, an
	unregistered message will be sent before registration, while you
	set disable, unregistered message will not be sent before
	registration. You should set the option for different Proxy.
	9) Session Refresh Time: Set the session refresh time.
	10)Refresher: Select from UAC and UAS.
Settings	11)Prack Enable: If or not enable prack.
Introduction	12)SIP Options Enable: If or not enable sip options.
	13)Primary SER Detect Interval:Set the primary server detect
	interval.
	14)Max Detect Fail Count: The max detect fail account.
	15)Keep-alive interval (10-60s): the interval that we send an
	empty packet to Proxy.
	16)Anonymous Call: If or not enable anonymous call.
	17)Anonymous Call Block: If or not enable block anonymous
	call function.
	18)Proxy DNS Type: Select from A Type and DNS SRV.
	19)Use OB Proxy In Dialog:If or not use OB proxy in dialog.
	20)Reg Subscribe Enable: If or not enable registration
	subscribe.
	21)Dial Prefix: Define the prefix of the phone number you
	dialed.
	22)User Type:Define the user type, options are IP and Phone.
	23)Only Recv Request From Server: If enable this option,
	FTA1101 will only receive the call from the same SIP server.
	24)Request URI user check: If or not enable request URI user
	check.
	25)Hold Method:Select the hold method, options are
	ReINVITE and INFO.

6.4.2 SIP Settings

	Status Network Wireless SIP Account Phone Administration
	Line 1 SIP Settings VoIP QoS
	SIP Parameters
WEB	SIP Parameters
Interface	SIP T1 500 ms Max Forward 70 SIP User Agent Name Max Auth 2 Reg Retry Intvl 30 sec Reg Retry Long Intvl 1200 sec Mark All AVT Packets Enable ▼ RFC 2543 Call Hold Enable ▼ SRTP Disable ▼ SRTP Prefer Encryption AES_CM ▼ Service Type Common ▼ DNS Refresh Timer 0
	NAT Traversal NAT Traversal NAT Traversal Disable STUN Server Address
	NAT Refresh Interval(sec) 60 STUN Server Port 3478
Settings	1) SIP Parameters: This page displays the SIP parameters.
intoduction	2) NAT Traversal If you want traverse NAT/Firewall, please enable NAT Traversal and fill in the corresponding parameters.

6.4.3 VoIP QoS

Status	Network	Wireless	SIP Account	Phone	Administration	
Line 1	SIP Settings	VoIP QoS				
QoS Se	QoS Settings					
Layer 3 Qo	s					
SIP QoS(0-63)		46				
RTP QoS(0-63)		46				

Some ISP supply QoS services. The QoS services can make the best of improving the quality of Voice application. You can get the settings from the ISP if they supply QoS services. Please connect with them if you need it.

6.5 Phone

6.5.1 Preferences

		Status Network Wireless SIP Account Phone Administration
Preferences	WEB Interface	Preferences Volume Settings Handset Input Gain 5 •
	Settings	1) Handset Input Gain: adjust the input gain from 0-7.
	Introduction	2) Handset volume: adjust the output volume from 0-7.
Regional	WEB Interface	Regional Tone Type China Dial Tone
	Settings Introduction	In this page, user can define tone type and set some parameters of the FXS1 port.
	WEB	Features
Features	Interface	All Forward Disable ▼ Busy Forward Disable ▼ No Answer Forward Disable ▼ Transfer On Hook Enable ▼
	Settings Introduction	All Forward:If or not enable all call forward; Busy Forward:If or not enable call forward when FXS1 port is busy; No Answer Forward: If or not enable call forward when FXS1 port does not answer the call.
	WEB Interface	Call Forward Busy Forward All Forward Busy Forward No Answer Forward No Answer Timeout
Call Forward	Settings Introduction	All Forward:Enter the all call forward destination number. Busy Forward:Enter the busy call forward destination number. No Answer Forward:Enter the no answer forward destination number. No Answer Timeout:Define the no answer timeout time.
Feature Code	WEB Interface	Feature Code *77 Conference Key Code *88 Hold Key Code *98 IVR Key Code **** R Key Enable Disable ▼ R Key Code RI ▼ R Key Hold Code R2 ▼ R Key Tansfer Code R1 ▼ R Key Conference Code R3 ▼ Speed Dial Code *74
	Settings	The feature code for call hold, conference, transfer and IVR,

	Introduction	use can also user R key to perform these functions, for
		example, press R and then press 2 to hold a call.
	WEB Interface	Miscellaneous Loop Current 26 Impedance Maching US PBX,Korea, Taiwan(600) CID Service Enable ▼ CWCID Service Disable ▼ Caller ID Method Bellcore ▼ Polarity Reversal Disable ▼ Dial Time Out(IDT) 5 Call Immediately # ▼ ICMP Ping Disable ▼ Escaped char enable Disable ▼ Bellcore Style 3-Way Disable ▼ On-Hook Voltage 48
Miscellaneous Codec Loop Current: Set the Impedance Maching: Set imp CID Service:If or not enable CWCID Service:If or not enable 		Codec Loop Current: Set the value for codec loop current. Impedance Maching: Set impedance value. CID Service:If or not enable caller ID service. CWCID Service:If or not enable call waiting caller ID service. Dial Time Out:Define how long the device waits before sending out the phone numbers. Call Immediately Key:Add this key after the phone numbers, FTA1101 will dial the numbers immediately. ICMP Ping:If or not enable ICMP ping. Escaped char enable:If or not enable escaped char.

6.5.2 Dial Rule

If you set a shortcut number for a dial rule, when you dial shortcut number, FTA1101 will realize whole dial rule immediately.

	Status Network Wireless SIP Account Phone Administration
	Preferences Dial Rule Phonebook Call Log
	Dial Plan
	General
	Dial Plan Disable 🔻
N/ED	Unmatched Policy Accept
WEB	
Interface	No. Line Digit Map Action Move Up Move Down
	Edit Add Delete
	Picture 1
	No. Line Digit Map Action Move Up Move Down
	Line Line1 V
	Digit Map
	Action Deny
	OK Cancel
	Dicture 2
	Diel Dien If en net enchle diel nien
	Dial Plantif of not enable dial plan.
Settings	Edit:Click it to edit the dial rule user selected.
Introduction	Add:Click it to add a new dial rule.
	Delete:Click it to delete the dial rule user selected.
	After click Add, the webpage will show as Picture 2.

FXS: Select which FXS port uses the rule.
Digit Map: The digit map sting of dial plan, details please refer to dial
plan user manual.
Action: Choose the action, when user's dial string matches the dial rule,
the device's action, deny or dial out.

6.5.3 Phonebook

	In this configuration interface, you can set the blacklist, enter the name	
	and phone number you wish to block. User also can upload a piece of	
Settings	blacklist file.	
Introduction	If user set a black number 2222, 2222 can not call you, but you can call	
	2222.	
	Enter the name and Number you can set a blacklist.	
	Status Network Wireless SIP Account Phone Administration	
	Preferences Dial Rule Phonebook Call Log	
	Phonebook Upload && Download	
	Phonebook Upload && Download	F
	Local File 选择文件 未选择任何文件	e
	Upload CSV Download CSV	s i
	Blacklist Upload && Download	E
	Blacklist Upload && Download	t
WED	Local File 选择文件 未选择任何文件	
W ED Interface	Upload CSV Download CSV	
Interface	Phonebook	
	Index Name Number Ring	
	Edit Add Delete Move to blacklist	
	Dischlict	
	Index Name Number	
	Name	
	Number	
	OK Cancel	

6.5.4	Call Log
-------	----------

Settings	User can view FTA1101 call log, including missed, dialed and answered calls. User can also delete the call logs
	Status Network Wireless SIP Account Phone Administration
	Preferences Dial Rule Phonebook Call Log
	Redial List
	Index NUMBER Start Time Duration
WEB	
Interface	
	Answered Calls
	Index NUMBER Start Time Duration
	Missed Calls
	Index NUMBER Start Time Duration
1	1

6.6 Administration

6.6.1 Management

Save Config File	WEB Interface	Save Config File Config File Upload && Download Local File Upload Local File Upload Download
	Settings Introduction	In this column, user can upload a new configuration file for the device, also can save the configuration file to local PC.

		Administrator Settings
		Password Reset
		New User Name admin
		New Password (The maximum length is 25)
		Confirm Password
	WED	
	WLD	
	Interface	Language English V
Administrator		VPN Access
Cattinga		Management Using VPN Disable 🔻
Settings		Web Access
		Remote Web Login Enable T
		Web Port 80
		Web SSL Port 443
		Web Idle Timeout(0 - 60min) 5
		Allowed Remote IP(IP1;IP2;)
	Settings	 1)Password Reset:Reset username and password, user need select one user level first and then rename the user name and change the password. 2)Language:Select another language ETA1101 support
	muoduction	2)Language. Sciect another language, FTATIOT support
		English, Russian, Finnish, Spanish, Chinese and so on.
		3)Web Access: Enable or disable web access, user can also
		define the web access port and web idle timeout.
		Time/Date Setting
		NTP Settings
		NTP Enable Enable
		Option 42 Disable V
		Current Time 2017 - 03 - 07 . 01 : 42 : 55 Sume with bast <
		NTP Settings (GMT+08:00) China Coast, Hong Kong
Time/Date		Primary NTP Server pool.ntp.org
Time/Dute		Secondary NTP Server cn.pool.ntp.org
		NTP synchronization(1 - 1440min) 60
	WEB	Daylight Saving Time
	Interfece	Daylight Saving Time Disable 🔻
	Interface	
		Daylight Saving Time
		Daylight Saving Time Enable 🔻
		Offset 60 Min.
		Start Month April Start Day of Wook Sunday
		Start Day of Week Last in Month
		Start Hour of Day 2
		Stop Month October
		Stop Day of Week Sunday
		Stop Day of week Last in Month Last in Month Stop Day of Week Last in Month 2
		1)NTP Settings: User can enable the NTP and select time zone
		and set NTP server and so on
	C and C	
	Settings	2)Daylight Saving Time: If or not enable daylight saving time,
	Introduction	this is the function to bring an hour ahead the normal time
		When such the set
		when enable this option, user can define offset, start/stop
		month, start/stop day of week, start/stop day of week last in
		month and start/stop hour of day
		monar and barrotop nour of day.

System Log Setting	WEB Interface	System Log Setting Syslog Setting Syslog Enable Syslog Level INFO ▼ Remote Syslog Server
	Settings Introduction	 1)Syslog Enable: If or not enable system log. 2)Syslog Level:FTA1101 has two log level, INFO and Debug, in debug level, there will be more information in the system log. 3)Remote Syslog Enable:If or not enable remote system log. 4)Remote Syslog Server:Enter the IP address of the remote system log server, FTA1101 will send the system log to the host. To check system log, user need open syslog server on your local PC, tftp32 can be used as system log server.
Factory Default	WEB Interface	Factory Defaults Reset to Factory Default Factory Default
	Settings Introduction	Press the Factory Default button to make the device factory default.

6.6.2 Firmware Upgrade

	Firmware Management
WEB Interface	Firmware Upgrade Upgrade Types Upgrade Software ▼ Local Upgrade 浏览…
Settings Introduction	 Press 可定 to select a firmware file. Press Upgrade to start upgrading.

6.6.3 Certificates

In this webpage, user can upload https provision SSL certificates or upload the TR069 certificates. FTA1101 has deleted the https provision, and deleted this webpage, Flyingvoice will add the https provision soon in the new firmware, so we still keep this section.

	Status Network S	5IP FXS1 FXS2	Administration		
	Management Security	Firmware Upgrade Pro	visioning SNMP TR06	9	
	Certificate Managem	ent			
	тросо				
	TRU09	Issued To	Issued By	Expiration	
WED	CA Certificat	none	none	none	
WEB	Client Certificat	none	none	none	
Interface	Private Key		none		
	Provision				
		Issued To	Issued By	Expiration	
	CA Certificat	none	none	none	
	Client Certificat	none	none	none	
	Private Key		none		
	CashiGan ba Undaha				
	Lindate Turce	A CA Certificat			
	TR069	CA Certificat			
	Local Upload: TR069	Client Certificat	J		
	Provisi	Private Key ion CA Certificat			
	Provisi	ion Client Certificat			
	Provisi	ion Private Key Upo	late		
	User can upload cer	t files for TR069 ar	nd Provision.		
	Stong				
	Steps:	TROCO D.	1 - 1		
Settings	1) Choose File Types in TR069 Private ke 🞽				
Introduction	2) Pross browser to browser file				
	2)11055	2) Press to browser file.			
	3) Press Opdate	to start upgrading			

6.6.4 Provisioning

	1) Provisioning allow FTA1101 auto-upgrading or auto-configuring			
	2) The current FTA1101 supports 2 ways to provision: TFTP and HTTP.			
	• Before testing or using TFTP, user should have tftp server and upgrading			
Generally	file and configuring file.			
Introduction	• Before testing or using HTTP, user should have http server and upgrading			
	file and configuring file.			
	• Before testing or using HTTPS, user should have https server and			
	upgrading file and configuring file and CA Certificate file(should same			
	as https server's) and Client Certificate file and Private key file(HTTPS			
	provision will be supported soon)			
	User can uploading CA Certificate file and Client Certificate file and Private			
	Key file in Security page.			
	Notice: Please refer to documentation Provision_User Manual_en_v1.5.pdf			
	to use this function.			

		Status Network Wireless SIP Account Phone Administration		
		Management Firmware Upgrade Scheduled Tasks Certificates Provision SNMP TR069 Diagnosis		
		Provision		
	WFR	Configuration Profile		
Configuration	Turtaufa a a	Provision Enable Resync On Reset Enable		
Drafila	Interface	Resync Random Delay(sec) 40 Resync Periodic/sec) 3600		
Profile		Resync Error Retry Delay(sec) 3600		
		Forced Resync Delay(sec) 14400 Resync After Upgrade Enable •		
		Resync From SIP Disable Option 66 Enable		
		Option 67 Enable ▼ Confin File Name \$(MA)		
		User Agent		
		Profile Rule [http://prv1.thyingvoice.net:69/contig/\$(MA)?mac=\$(MA)		
		1)Provision Enabled: If or not enable provision		
		2)Resync On Reset: If or not enable resync after DIV378 restart		
		3)Resync Random Delay:Set the maximum delay for request		
		the synchronization file, default is 40.		
		4)Resync Periodic:Set the periodic time for resync, default is		
	~	3600s.		
	Settings	5)Resync Error Retry Delay: If the last resync was failure,		
	Introduction	FTA1101 will retry resync after the "Resync Error Retry		
		Delay" time, default is 3600s.		
		6)Forced Resync Delay:If it's time to resync, but FTA1101 is		
		busying now, in this case, FTA1101 will wait for a period		
		time, the longest is "Forced Resync Delay", default is		
		14400s, when the time over, FTA1101 will forced to resync.		
		7) Resync After Upgrade Attempt: If or not enable		
		firmware upgrade after resync, by default it is enabled.		
		8)Option 66:If or not enable DHCP option 66 to override		
		server. If enable, the parameter "profile rule" will has no effect.		
		9)Config File Name: It is used for In-house provision mode		
		only. When use TETP with option 66 to realize provisioning		
		user must input right configuration file name in IP542N's		
		webpage. When disable Option 66 , this parameter has no		
		effect.		
		10) Profile Rule: URL of profile provision file		
		Note that the specified file path is relative to the TFTP server's		
		virtual root directory.		
		Firmware Upgrade		
	WEB	Upgrade Enable		
Firmware	Interface	Upgrade Error Retry Delay(sec) 3600		
Upgrade				
		1)Upgrade Enable:If or not enable firmware upgrade via		

Settings	provision.	
Introduction	2)Upgrade Error Retry Delay: If the last upgrade fails, FTA1101	
	will try upgrading again after "Upgrade Error Retry Delay	
	period, default is 3600s.	
	3) Upgrade Rule: URL of upgrade file	

6.6.5 SNMP

				u par i				
	Status Ne	etwork Wireless	SIP Account	Phone	Administration			
	Management	Firmware Upgrade	Scheduled Tasks	Certificate	es Provision	SNMP	TR069	Diagnosis
	SNMP Confi	iguration						
	SNMP Configura	ation						
	SNMP Service			Disable	•			
	Trap Server Ac	ddress nity Name		public				
WEB	Write Commun	nity Name		private				
Interface	Trap Commun	ity		trap				
	Trap period in	iterval(sec)		300				
	1)SNMP E	Enable:If or n	ot enable SN	MP				
Settings	2)Trap Ser	ver Address:	Enter the trap	o server	address.			
Introduction	3)Read Co	ommunity Nat	me:string, as	an expr	ess passwo	ord bet	ween	
	management progress and agent progress.							
	4)Write Community Name:String, as an express password between							
	management progress and agent progress.							
	5)Trap Community: The community field in trap.							
	Trap Perio	d interval:Th	e interval of	sending	trap.			

6.6.6 TR069

		Status Network Wireless SIP Account Phone Administration		
		Management Firmware Upgrade Scheduled Tasks Certificates Provision SNMP TR069		
		TR069 Configuration		
	WEB Interface	TR069 Enable Enable ▼ CWMP Enable ▼ ACS URL http://acs1.flyingvoice.net:8080/tr069 User Name FLY84171000014 Password ● Periodic Inform Enable Enable ▼ Periodic Inform Interval 3600		
TR069		1)TR069 Enable: If or not enable TR069.		
Configuration		2)CWMP:If or not enable TR069		
		3)ACS URL: The URL of TR069 server.		
	Settings	4)User Name:Enter the user name to connect to TR069 server.5)Password:Enter the password to connect the TR069 server.		
	Introduction			
		6)Periodic Inform Enable:If or not enable periodic information.		
		7)Periodic Inform Interval:The interval of sending information		

		to TR069 server.		
Connect	WEB Interface	Connect Request User Name Password	FTA1101	
Request		1)User Name: Define the username for the TR069 se		
	Settings	connecting FTA1101. 2)Password: Define the password for TR069 server connecting		
	Introduction	FTA1101		

6.6.7 Diagnosis

	WEB	Status Network Wireless SIP Account Phone Administration		
	Interface	Management Firmware Upgrade Scheduled Tasks Certificates Provision SNMP TR069 Diagnosis		
Packet		Packet Trace		
Trace		Tracking Interface WAN T		
		Packet Trace start stop save		
	Settings	Press Start to begin tracing the packet, or press stop to cancel,		
	Introduction	also you can press Save to save the packets to your local PC.		

7. Functions

7.1 Making Calls

- Dial the number directly and wait for 5 seconds (default No Key Entry Timeout).
- Dial the number with ending char #, FTA1101 will dial out immediately
- Dial the phone number which matches one dial rule, FTA1101 will dial out immediately, no need to press # or wait for 5 seconds.

7.2 Call Waiting

- Step 1.Enable waiting feature in SIP Account→Line1→Supplementary Service→Call Waiting (default is Enable)
- Step 2. While in conversation, user will hear a special stutter tone if there is another incoming call.
- Step3.User then can press "*77" (or Flash button)to put the current call party on hold automatically and switch to the other call. Pressing "*77"(or Flash button) toggles between two active calls.

7.3 Call Hold

- Step 1. While in conversation, pressing the "*77" (or Flash button), will put the remote end on hold.
- Step 2.Pressing the "*77" (or Flash button) again, will release the previously Hold state and

resume the bi-directional media.

7.4 Call Transferring

FTA1101 supports blind transfer and attended transfer.

7.4.1 Blind Transfer

Assuming that call party A and party B are in conversation, A wants to Blind Transfer B to C

Step 1.Party A dials *98, A will hear dialing tone

Step 2.Dial party C's number, and press # (or wait for 5 seconds) to call C, then C will ring, A will be disconnected.

Step 3.If C answer the call, B and C can go on talking.

7.4.2 Attended Transfer

Assuming that call party A and B are in conversation. A wants to Attend Transfer B to C:

Step 1.Party A dials *77 to hold B, A will hear dialing tone

Step 2.Dial party C's number, and press # (or wait for 5 seconds) to call C, then A will hear ringing tone.

Step 3.If C answer the call, A will talk with C firstly

Step 4.If C wants to talk with B, A press "*98" to transfer, and then C will talk with B. If C does not talk with C successfully, A will talk with B again.

7.5 3-way conference call

Assuming that call party A and B are in conversation. A wants to add C to the conference:

Step 1.Party A dials *77 to hold B, A will hear dialing tone

- Step 2.Dial party C's number, and press # (or wait for 5 seconds) to call C, then A will hear ringing tone.
- Step 3.If C answer the call, A will talk with C firstly
- Step 4.If C receive the conference, A press "*88" to add C to the conference, and then A,B and C are in conference.

7.6 Call Forwarding

Step 1. Open Phone→Preferences→Call Forward, enable the one call forward mode and fill forwarded number

Features			
All Forward No Answer Forward	Disable ▼ Disable ▼	Busy Forward Transfer On Hook	Disable Enable
Call Forward All Forward No Answer Forward		Busy Forward No Answer Timeout	20

Step 2: FTA1101 will forward incoming call to the forwarded number according to the settings of Call Forward and call status

7.7 Direct IP calls

Direct IP calling allows two phones, that is, an ATA with an analog phone and another VoIP Device, to talk to each other without a SIP proxy. VoIP calls can be made between two phones if:

- Both ATA and the other VoIP device (i.e. another ATA or other SIP products) have public IP addresses, or
- Both ATA and the other VoIP device (i.e. another ATA or other SIP products) are on the same LAN using private or public IP addresses, or
- Both ATA and the other VoIP device (i.e. another ATA or other SIP products) can be connected through a router using public or private IP addresses

To make a direct IP call,

Step 1: Picking up the analog phone or turning on the speaker phone on the analog phone

```
Step 2: Input the IP address directly with ending char #. E.g. call 192.168.20.34, dial 192*168*20*34#
```

7.8 Speed dialing

Step 1.Set phone number(E.g.3333) in SIP Account→Line1→Speed Dial, and then save the changes

Speed Dial		
Speed Dial 2	Speed Dial 3	
Speed Dial 4	Speed Dial 5	
Speed Dial 6	Speed Dial 7	
Speed Dial 8	Speed Dial 9	

Step 2.Dial*74 to active speed dial function

Step 3. Then dial 2 to call 3333, and FTA1101 will dial out immediately.

7.9 Hotline

Step 1.Set hotline in SIP Account→Line1→Supplementary Service Subscription, you can refer to the following picture. And then save the changes.

Supplementary Service Subscription								
Supplementary Services								
Call Waiting	Enable 🔻	Hot Line						
MWI Enable	Enable 🔻	Voice Mailbox Numbers						
MWI Subscribe Enable	Disable 🔻	VMWI Serv	Enable 🔻					
DND	Disable 🔻							

Step 2.Picking up handset or press speaker button, FTA1101 will ring hotline immediately.

If you want to delay some seconds after pick up the handset, please add delay time. For example,

FTA1101 will call 511 after user picks up the handset for 4 seconds.

Supplementary Service Subscription								
Supplementary Ser	Enable V	Hot Line	511T4					

7.10 Daylight Saving Time

Daylight Saving Time (or summer time as it is called in many countries) is a way of getting more light out of the day by advancing clocks by some hour during the summer. During Daylight Saving Time, the sun appears to rise one hour later in the morning, when people are usually asleep anyway, and sets one hour later in the evening, seeming to stretch the day longer.

Step 1.Open Administration/Management webpage.

Step 2.Enable parameter Daylight Saving Time in Time/Date.

Step 3.Set offset: "-60" means advancing 60min, "60" means delaying 60min.

Step 4.Set starting Month/Week/Day/Hour in **Start Month/Start Day of Week Last in Month/Start Day of Week/Start Hour of Day**, analogously set stopping Month/Week/Day/Hour in **Stop Month/Stop Day of Week Last in Month/Stop Day of Week/Stop Hour of Day**. Step 5.Press Saving button to save and press reboot button to active changes.

7.11 Upgrade Firmware

Function is to upgrade firmware in local. Step 1.Open Administration/Firmware Upgrade webpage

Step 2.Press

选择文件 to browse a firmware file

Step 3.Press Upgrade to start upgrading

Step 4. When upgrading, there will be prompt like below

Vol	<i>VoIP</i> control panel									
Status	Network	Wireless	SIP Account	Phone	Administration					
Managem	ent Firmw	are Upgrade	Scheduled Tasks	Certificate	s Provision	SNMP	TR069	Diagnosis		
Firmware Management										
WARNING										
Upgrading firmware may take a few minutes.										

7.12 Password Control

Function is to reset password.

Step 1.Open Administration/Management webpage

Step 2. Choose password type

Step 3.Input current password (Original Password, default is "admin" for admin level and user for user level),

Step 4.Input new password in New Password and Password Confirm.

Step 5.Press Save Settings button to save and then press Reboot button to make changes effective.

7.13 Web Access

User can use the two parameters in Web Access to control WAN web login or login port. WAN Interface Login is to disable/enable user access to web via WAN port; Web Login Port is to set login port.

7.14 System log

User can view system log in local or in remote.

In local:

Step 1.Open Administration/Management page, System Log Setting column.

Step 2.Choose log level from INFO and Debug, in INFO level, FTA1101 records INFO log, and in Debug level, FTA1101 records all debug information.

Step 3.Press Save button to save and then press Reboot button to make changes effective.

In remote:

Step 1.Open Administration/Management page, System Log Setting column.

Step 2.Fill system server IP Address or domain name into Syslog Server.

Step 3.Choose log level from INFO and Debug, in INFO level, FTA1101 records INFO log, and in Debug level, FTA1101 records all debug information.

Step 4.Press Save button to save and then press Reboot button to make changes effective.

8. Software Feature

- Support SIP V2.0 (RFC 3261/RFC3262)
- Support G.711 (A-Law, μ-Law), G.723, G.722 and G.729A/AB Codes
- Support two RJ45 10/100M that one is WAN port and another is LAN port.
- Support two RJ-11 for FXS port to connect your analog phone
- Support IP address assignment using PPPOE, DHCP and Static IP
- ♦ IP conflict detection
- Support NAT traversal (Static NAT Route or by STUN)
- Support Voice Activity Detection(VAD) ,Comfort Noise Generation(CNG) and Echo cancellation
- Adaptive jitter buffer for smooth voice reception
- Support direct IP to IP dialing without registration
- Support complementary features such as Call hold, Call waiting, Call forwarding, Call Transfer, Call Block, Hotline, Message Waiting Indicator and DTMF Realy (In-band, RFC2833 and SIP INFO) etc.
- Support MAC address cloning
- Support IEEE802.1Q VLAN/802.1P and IP TOS
- Provide easy configuration through manual operation (Web interface and IVR-driven interface) or auto provisioning via TFTP or HTTP
- Support syslog client

Federal Communications Commission (FCC) Statement

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

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

•Reorient or relocate the receiving antenna.

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

Warning: Changes or modifications made to this device not expressly approved by Flyingvoice Network Technology Co., Ltd may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF exposure statement:

The transmitter must not be colocated or operated in conjunction with any other antenna or transmitter. This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.