

Portal Authentication Configuration Sample



Background

In a public environment, such as hotel, shopping mall and park, a strong and stable wireless network is simply an expectation. Captive portal authentication is very popular among public environment such as cafe, shopping mall and hotel, it will display an advertisement page when customers connect to Wi-Fi signal so they will get latest promote information or voucher. Now, Wi-Tek provide a seamless Wi-Fi Solutions to build the reliable, cost-effective and business valuable wireless networks that meet the requirement of guests and increase user satisfaction.

This article will introduce how to configure the portal authentication.

One Key Auth

This authentication method does not need login account to get internet access, customers scan the Wi-Fi signal on phone, laptop or tablet, click on connect, the advertisement page will appear for a certain while, click on login, it will guide you to the URL as your definition, then customers will enjoy the fun from Internet.



Application Scenario

Note: There are two connection type on the AC controller refer to different scenario.

1. Internet/Router connect to LAN port of AC: Sometimes, in SMB scenario, internet environment has already established, in order to simplify the network environment, we connect router to LAN port of AC directly, under this circumstance, only the AC function is available, AC controller can only manage the AP devices such as SSID, password, channel, Tx power.

2. Internet/Router connect to WAN port of AC: The internet environment is simplified or there's no gateway/router, need more function on AC controller, such as portal authentication, access control, flow control, routing.

In this article, we need to configure portal authentication, so the Internet should connect to the WAN port of AC controller.

Step 1. On PC, please launch a browser, such as Google Chrome, Firefox, type 192.168.10.1 into address bar, press enter, Wi-Tek management page will pop up.

INTELLIGENT WIAN MANAGEMENT PLATFORM	Wireless Control Platform
	激活 Windows 转到"设置"以激活 Windows。

The default password is admin, after type in login password, click on **[Login]**, you will get in Wi-Tek management page.

Wireless Control Pla	atform							Ċ
Overview		Hardware Info 1GHz CPU usage	: 0%	RealTime RealTime us	users/Link Count ers: 1	Auth User count		Port Status
🖾 AC 🎋 Behavior	v	512M Memory u	sage: 31%	Link Count:	30			
	v	Device Basic Sta	atus		Max AP Count(200)		Behavior	
III Flow Control	v	System Time	2019-03-05 00:51:53				e qq	🕽 Ali Wangwang 🛑 WeChat 🛑 Thunder
Becurity Center	v v	Uptime	0Day 4H 27M 26S			Wian Users		
	~	System Mac	44:D1:FA:2E:B5:E3			0	0	
Routing	v	Behavior Version	1.1				0 ⁰	wasses were more st
ය Cloud		Firmware Version	WI-AC150-GW-V5.5-B20	190301	Online AP 2	Offline AP 0	Ŕ	»-
DDNS		Real time speed	C .					激活 Windows 转到"设置"以激活 Windows。

Step 2. On the left side column, please go to **[Authentication]-[Auth Switch]**, please enable authentication, select **[Local Authentication]**. If you don't need definite the white list for URL or access devices, just skip it and leave them empty. Set up the client timeout interval, then click on **[Apply]**.



Step 3. On the left side, please go to **[Local Auth Page]** to customize your advertisement page.

Wireless Control Pla	atform	· ·	
Overview		•	Auth Web Page
🖾 AC	v .	welcome to wi-tek	Auth Title Welcome to Wi-Tek!
嶺 Behavior			Pictures Picture(640×500jpg) can not be more than 200K
Æ WAN	Y		Linkaed Third
📥 LAN	× .	$= = \{((((\mathbf{x}))))\}$	
₄lÎ ‡ Flow Control	X		Guide Url http://www.wireless-tek.com
🖾 Security Center	×		Auth Time (second) 6
🏟 IP/Time Group	Y	0.101	
🛜 Authentication	Y	Onekey, fast verify	Free Auth Days (day) Close ~
Auth Switch		Account Input Account	Page Color Select with web page color
Local Auth Page		Password Input Password	
Local Auth Param	s	User Agreement) agree	
Local Auth Policy		Login	激活 Windows
Member Manage			转到 设置 以激活 Windows。

Auth Title: Customize the tile of the advertisement page.

Picture: Upload the advertisement picture for promotion or introduction.

Note: Picture(640×500jpg) can not be more than 200K

Guide URL: After authentication, it will guide customers to a website, you can type into your official website or Facebook page.

Auth Time: It determines how long will the advertisement page lasts.

Free Auth Day: Host can definite which day doesn't need to be authenticated. **Page Color**: Customize a page color.

After setup all the information, please click on [Save].

Step 4. On the left side menu, please go to **[Local Auth Params]** to select the authentication type-**[Onekey Auth].** Enable the status, then click on **[Apply]**.

Wireless Control Pla	atform		Ċ
Overview		Local Auth Params	
🐼 AC			
端 Behavior		Wechat Auth Onekey Auth SMS Auth Member Auth Custom Auth	
Ø WAN			
禹 LAN		Onekey Auth	
, · Flow Control		Status 🕜	
🖾 Security Center			
💼 IP/Time Group		Apply	
Authentication			
Auth Switch			
Local Auth Page			
Local Auth Param			
Local Auth Policy		激活 Windows	
Member Manage		转到"设置"以激活 Window	/S.,

Step 5. On the left side menu, please go to [Local Auth Policy] to definite the

authentication policy. Click on **[Add]** to add a policy.

Wireless Control Pla	tform							Ċ
		Local Auth Polic	У					
 II Flow Control								Add Delete
🖾 Security Center		SN	Name	IP Range	Start Time	End Time	Priority Meth	od Config
IP/Time Group								
Authentication								
Auth Switch								
Local Auth Page								
Local Auth Params								
Local Auth Policy								
Member Manage								
Routing								
Device								
Cloud								激活 Windows
DDNs								转到"设置"以激活 Windows。
Wireless Control Pla								
		Local Auth Poli	5y					
Overview								Add
M AC		SN SN	Name	IP Range	Start Time	End Time	Priority Met	hod Config
í Behavior		1	Guest	192.168.10.2-192.	168.10.252 00:00:00	24:00:00	1 Mer	nber 🗘
			Details (with	* is required)				
品 LAN			Name	Guest	Priority 1	2 4 6 0 4 0 2 5 0	~	
II Flow Control			Start Time	192.168.10.2	End IP 19	00:00		
Security Center			Method	Member Auth 🔲 Oneke	y Auth 🔲 Wechat Auth 🔲 S	SMS Auth 🔲 Custom	Auth	
IP/Time Group					Apply			
Authentication								
Auth Switch								
Local Auth Page								
Local Auth Param								
Local Auth Policy								
Member Manage								

Please name the group who need to be authenticated, setup the priority of this authentication type, if there's no other authentication type configured, fill in 1. **Start IP-End IP**: Assigned IP address of the devices which connected to the Wi-Fi signal from AP.

Method: Please select Onekey Auth.

Please click on **[Apply]**. All the one key authentication configuration step done.

Member Auth

In some hotel application, in order to build a safer internet environment, hotel always refer to provide more complex authentication method, such as each room has one login account for Wi-Fi access. How to achieve this requirement with Wi-Tek AC controller? The following article will guide you through the configuration.

Step 1. On PC, please launch a browser, such as Google Chrome, Firefox, type 192.168.10.1 into address bar, press enter, Wi-Tek management page will pop up.

RTELLIGENT WLAN MANAGEMENT PLATFORM WAN BANG MANAGEMENT LANGRE INTELLIGENT - MORE POWERFUL - MORE RELIABLE	Wireless Control Platform
	激活 Windows 转到"设置"以激活 Windows。

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Wireless Control Pl	atform							Ċ
Overview		Hardware Info 1GHz CPU usage	e: 0%	RealTime	users/Link Count sers: 1	Auth User count		Port Status
🖾 AC	v	512M Memory	isage: 31%	Link Count:	30			
🕷 Behavior		_						LAN1 LAN2 LAN3 LAN4 WAN1
e wan	v	Device Basic St	atus		Max AP Count(200)		Behavior	
🛃 LAN	~						🛑 QQ	👂 Ali Wangwang 🛑 WeChat 🛑 Thunder
III [‡] Flow Control	v	System Time	2019-03-05 00:51:53				🛑 BT	
🖾 Security Center	×	Uptime	0Day 4H 27M 26S			Wlan Users		
🛍 IP/Time Group	v					0	0	
Authentication ■	v	System Mac	44:D1:FA:2E:B5:E3			Ŭ		
Routing	v	Behavior Version	1.1				0	à à à à
Device	v							wanges we think
Cloud		Firmware Version	WI-AC150-GW-V5.5-B20)190301	Online AP 2	Offline AP 0	F	
DDNS								激活 Windows
		Real time spee	d					转到"设置"以激活 Windows。
		A 14/4 N/1						

Step 2. On the left side column, please go to **[Authentication]-[Auth Switch]**, please enable authentication, select **[Local Authentication]**. If you don't need definite the white list for URL or access devices, just skip it and leave them empty. Set up the client timeout interval, then click on **[Apply]**.

			0
			Арріу
Auth Switch			
Authentication	Local Authentication		
Client Timeout	20	Default:20 min Range[20-65535min]	
		Add domain	
Url white list			
	Scan MAC	Add MAC	
MAC white list			
		激活 Wind	ows
		转到"设置"以激	妨 Windows。
Free Port	LILANT LILANZ LILANS LILAN4		

Step 3. On the left side, please go to **[Local Auth Page]** to customize your advertisement page.

Wireless Control Pla	atform			
Overview		°	Auth Web Page	•
e ac		. welcome to wi-tek	Auth Title	Welcome to Wi-Tek!
端 Behavior			Pictures	Picture(640×500jpg) can not be more than 200K
e wan				Upland Third
🛃 LAN		⁺ ((((((▼))))))		
,,, Î [‡] Flow Control			Guide Url	http://www.wireless-tek.com
🖾 Security Center			Auth Time (second	
前 IP/Time Group		0.0.0	Haar Time (second)	
🛜 Authentication		Onekey, fast verify	Free Auth Days (da	y Close 🗸
Auth Switch		Account Input Account	Daga Calas	Salast auth undersons calas
Local Auth Page		Password Input Password	Page Color	Select auth web page color
Local Auth Param		User Agreement) Lagree		
Local Auth Policy		Login		激活 Windows
Member Manage			Save	转到 陇直 从360舌 Windows。

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After setup all the information, please click on [Save].

Step 4. On the left side menu, please go to **[Local Auth Params]** to select the authentication type-**[Member Auth].** Enable the status, then click on **[Apply]**.

Wechat Auth	Onekey Auth	SMS Auth	Member Auth	Custom Auth
Member	Auth			
Status				
Member Data Source	Members 💿			
		_		

Step 5. On the left side menu, please go to [Member Manage], click on button to add group.

Wireless Control Pla	atform									Ċ
Overview		Member Manage								
🖾 AC		Search All	~ [Please enter the acco	unt or name	Search			Export Import Add	Delete
嶺 Behavior			SN	Name 👻	Account 🖨	State	Group	Phone	Max Time (min)	Config
e wan		All								
류 LAN										
₁II C Flow Control										
🖾 Security Center										
前 IP/Time Group										
Authentication										
Auth Switch										
Local Auth Page										
Local Auth Param										
Local Auth Policy									激活 Windows	
Member Manage		Total 0							转到 设置"以激沽 Wind	dows,

Establish a group name. Such as "Second Floor". Click on [Apply].

Add		>
Group Name	Second Floor	×
	Арріу	

If you want to establish the different logon account for different room, please click on **[Add]** under second floor as subordinate.

≡	SN	Name v	Account 🖨	State	Group	Phone	Max Time (min)	Config
All 🛨								
Second Fl V								

Such as , 202, 203, 204...

≡		SN	Name 👻	Account \$	State	Group	Phone	Max Time (min)	Config
All									
Second Fl	• 🗆		Add			×			
202						_			
203			Team Name	204		×			
+ Add									

After establish the room number, click on room number, click on the **[Add]** on the right top corner of the page to definite the logon account for customer internet access.

Member Manage								
Search All	~	Please enter the a	ccount or name	Search			Export Import Add	Delete
≡	SN	Name 👻	Account 🖨	State	Group	Phone	Max Time (min)	Config
All								
Second Fl 🔻 🖂								
202 🖂								
203 E								
204 🖃								
+ Add								

Wireless Control Platform		ර
Dverview	Member Manage	
© AC v	Search All Add (with * is required) X	Export Import Add Delete
🌾 Behavior	Account 202 Password 12345678	Max Time (min) Config
¢ WAN ∨	Second FL., Name 202 ID Card No	
II: Flow Control v	202 Phone Status Valid V	
🖾 Security Center 🗸 🗸	203 Group Second Floor V Max Online 1 V	
🖬 IP/Time Group 🗸 🗸	204 Start Date 2019 Y V 03 M V 06 D V End Date 2019 Y V 03 M V 09 D V	
🛜 Authentication 🗸 🗸	Max Conn 0 (0 Not Limit [0-1024]) Max Time 0 (0 Not Limit [min])	
Auth Switch		
Local Auth Page	Apply	
Local Auth Params		
Local Auth Policy		
Member Manage	Total 0	Mill Coll Walk's Windows,

Account/Password: Logon account/password for customer get Internet access.

Name: It's recommended to be same name with logon account for easy management.

Max Online: The concurrent online number of customers, if type in 2, 2 customers in will share this logon account.

Start Date/End Date: The period of validity of internet account, after end date, this account will expiry.

Max Connection/Max Time: For data flow control management. If there's no need to limit, type 0 into bar.

Step 6. After finish all authentication settings, please disable all the wireless password(both 2.4GHz and 5GHz) for your network. Otherwise devices which connect to the Wi-Fi signal should type in this wireless password fist and then authenticate with logon account.

Wireless Control Pla	tform												Ċ
		Device	List	All AP 2/200 Wlan Device Config	Online AP 2	Offline AP 0	Wian Users 0	All AP 🗸 🗸	Per par X	ne show De	fault 🗸		
🖾 AC	v			Statur	Device List	Wian Device 1 $ \sim$				Reset	Local Upgr	ade Online	e Upgrade
Device List			SN	Status	Main AP Conf	iguration[44:D1:FA:39	9:04:59]			e Model	Uptime	Group \$	Config
	_		1	Network	Status	Enable V	Brodcast SSID	Enable V		AP217	15:26:03		
			2		SSID	WI-TEK_2.4G	Vianid	Config	194)	AP218			104
				Basic	Virtual AP Cor	nfiguration1[4A:D1:F/	A:39:04:59]						
				Advanced	Status	Disable 🗸	Brodcast SSID	Enable 🗸					
					SSID	WLAN1	VlanId	0 (0-40	94)				
					Security	Open System	20.04.50	Config					
					Virtual AP Cor	Disable V	Brodcart SSID	Enable V					
e wan				Apply	SSID	WLAN2	VlanId	0 (0-40)94)				
					Security	Open System		Config					
				Close	Virtual AP Cor	nfiguration3[52:D1:FA	:39:04:59]						
					Status	Disable 🗸	Brodcast SSID	Enable 🗸					
Constant Constant					SSID	WLAN3	VlanId	0 (0-40	94)				
					security	Open System		Coning					



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