

UAG4100 Deployment Guide

Initial Configurations of UAG4100 and SP350E Ticket Printer





SP350E is the thermal ticket printer designed to work with ZyXEL's new generation HotSpot Gateway UAG4100. It is with 3 buttons that business owners can easily print out the account and service billing information which are generated or configured in UAG4100. With this dedicated ticket printer, business owners who provide public Internet service can perform with least effort and win customer satisfaction.

This deployment guide is to demonstrate how to set up the SP350E working with UAG4100 step by steps. For further information, please contact ZyXEL technical support teams in your nearby regions or go to <u>http://www.zyxel.com/form/Support_Feedback.shtml</u> for information.

Step 1. Setup the UAG4100 environment.



- (1) The P1 port connects the cable to your Internet Service Provider.
- (2) The P2 port connects to your PC directly.
- (3) The P3 port connects to the SP350E.



Step 2. Setup the Internet connection.

- (1) The PC NIC setting is DHCP client and the default gateway will be 172.16.0.1.
- (2) Use a web browser and enter <u>http://172.16.0.1</u> to access the UAG4100's login GUI (user: admin/password:1234).

ZyXEL		
UAG4100	Enter User Name/Password	and click to login.
	User Name:	admin
	Password:	1234
	(max. 63 alphanumeric, printable	characters and no spaces)
-		
		Login Reset

(3) After logging into the UAG's GUI, you will see the "Installation Setup Wizard", and then click on the "Next" button.

Ti Installation Setup Wizard 🛛 🛛								
110	Installation Setup Wizard	*						
	Internet Access > Internet Access Succeed > Device Registration							
	Welcome							
	The later steps will guide you to setup the Internet connection. - Connect to Internet - Device Registration							
	Click 'Next' to start the wizard; or 'Go to Dashboard' if you want to skip.							
/								
Step 2-3	.Go to Dashboard Next >							

- (4) Select your Internet Service Provider parameters (on the UAG, there are 3 types: Ethernet, PPPoE, and PPP).
- (5) After configuring the Internet connection setting, you can click on the "Finish" button to complete the Wizard Setup.



Step 3. Set up authentication on LAN2.

- (1) Go to Configuration > Web Authentication.
- (2) Enable the "Web Portal" check box.
- (3) Click on the "Apply" button.

Z	VXEL UAG4100	Welcome admin <u>Locout</u> ?Heb Z About *Site Map CObject Reference 🖵 Console	C CLI
F	CONFIGURATION	Web Authentication Waled Garden Advertisement	
	T¥ Quick Setup	General Settings	_ 1
Q	Wireless Network	Authentication: O None Web Portal 2. O User Agreement	
R	Firewall Billing	External Web Portal	
	 Printer Manager Free Time 	Login URL: Logout URL: Optional	
	- SMS - BWM	Wekome URL: Optional	=
	 Object Bystem 	Session URL: Optional Error URL: Optional	
		Download the external web portal example.	
		Exceptional Services	
		🐼 Add 🆀 Remove	
		Exceptional Services DNS	
		I 4 Page 1 of 1 ▶ I Show 50 ✓ Items Displaying 1 - 1 of	1
		Web Authentication Policy Summary	
		◎ Add / Edit II Remove ♀ Activate ♀ Inactivate ୶Nove 3.	
	Step 3	Apply Reset	

Note: If you have a printer, please refer to Step 4-1. If not please refer to Step 4-2.



Step 4-1. Setup your printer

SP350E printer will be assigned an IP address by the DHCP by default. First, you need to verify the IP address of the printer.

- (1) Please turn over the printer. You can see the *printer MAC address* label at the bottom.
 - (2) Please *record printer MAC on memo*.



(3) Go to Dashboard. Click on "DHCP Table".

Virtual Device Virtual Device Rear Virtual Device System Name: Us2102 Nodel Name: Us2102 System Name: Us2102 System Name: Us2102 Model Name: Us2102 Model Name: Us2102 System Name: Us2102 Model Name: Us2102 System Name: Us2102 System Name: Us2102 System Name: Us2102 Model Name: Us2102 System Name: Us2102 Macc Address Range: DB B2D C:6F 4650 Firmware Version: V4.00(AUZ 0)/ 100 IMay 07 2013 112847 / 2013-07-31 10:1823 System Uptime: 00.08-30 Curren Date/Time: 2013-10-24 / 09-38-42 GMT=00.00 Ust Storage Usage 00 MB	DASHBOARD					
Virtual Distribution: Virtual Distribution: Virtual Distribution: Virtual Distribution: System Uptime: 00.08.30 0.01.452 0.01.485 System Uptime: 00.08.30 0.01.485 0.01.485 System Uptime: 00.08.30 0.01.485 0.01.485 System Uptime: 00.08.30 0.01.485 0.01.485	📼 Virtual Device					
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Serial Number: \$132L 19200023 MAC Address Range: B0 B2 DC 6F 46:50 ~ B0 B2 DC 6F 46:55 Firmware Version: V4.00/AAIZ.0/11.00 1Mar 07 2013 11/28 47 / 2013-07-31 10:16:23 System Status Image: The status System Uptrme: 00.08:30 Current Date/Time: 2013-10-24 / 09:38:42 GMT=00.000	Model Name:	UAG4100				2 %
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Current Date/Time: 2012-10-24 L08-39/42 CM1+0000 00 MB	System Uptime:	00.08.30				USB Storage Usage
	Current Date/Time:	2013-10-247.09:39:42 GMT+	1			0/0 MB
	OHCP Table: Current Login User:	admin (unlimited / 00:29:59)				Active Sessions 24/40000

(4) *Mapping the printer MAC address* – this is what you have recorded in Step 4-1-(2)). If correct, enable the "Reserve" checkbox.



(5) *Write down the printer IP* - in this document, the IP address is 172.16.2.0. The real IP address depends on your system assignment.

👩 DHCP Table - Google Chrome										
172.16.0.1/ext-js/web-pages/dashboard/dhcp.html										
DHCP Table										
	#	Interface -	IP Address	-	Host Name	MAC Address	Description	Reserve		
	1	lan1	172.16.1.1		"tw01529-01"	00:1e:33:28:4e:f9		4		
	2	lan1	172.16.2.0		"none"	EC:43:F6:D8:3				
		5.								
F	efre	sh Interval:	5 m	nutes	▼ Re	fresh Now				

(6) Go to Configuration > Printer Manager.

(7) Click on the "Add" button to add the IP address of the printer.



- (8) Enter printer IP address (the IP address from Step 4-1-(5)).
- (9) Enable the" Enabled Printer Manager" check box.
- (10) Click on the "OK" button.

📀 Add Rule		? 🗙
9.		
👿 Enable Printer Mana	ager	8.
IPv4 Address:	172.16.2.0	
Description:	new create	(Optional)
		10
		10.
		OK Cancel



(11) Go back to the General Setting page, enable the "Enabled Printer Manager" check

	DOX.					
Z	YXEL UAG4100		Welcome admin <u>Loqout</u>	?Help ZAbout	Ŧ Site Map 🛛 🖨 Objec	t Reference 🖵 Console 🖾
	CONFIGURATION	General Printout Configuration				
	Y Quck Setup C Licensing Wireless Nebwork Veb Authentication Free Time Stilling	General Setting International Setting Printer Settings Port: Encryption Secret Key: Printer List Note: Ryou want to configure printer button, please go to <u>Billing Profile</u> .				
		🛇 Add 📝 Edit 🍟 Remove 🢡 Activate 💡 Inactivate				
		# Status IPv4 Address Descrip	tion			
		1 🤪 172.16.2.0 new cre	ate			
		I4 4 Page 1 of 1 ▶ ▶ Show 50 ✓ tems				Displaying 1 - 1 of 1
		Printer Firmware Information				
		Current Version: SP350E-V1.00				
		Apply	12.			

- (12) Click on the "Apply "button.
- (13) Monitor -> Printer status confirm that the printer status is "sync success". If the status is not ready, please repeat Step 4-1.

*user might wait up 90 seconds to sync printer successfully when apply the configuration.

Z	YXEL UAG4100					Welcome admin <u>Logou</u>	<u>t</u> ?Help Z About ∓ Site Map	Console CL
-	MONITOR	Printer :	Status					
	 System Status Port Statistics Interface Status 	Printer L	.ist fresh					
R	Traffic Statistics Session Monitor DDNS Status	# _	IPv4 Address 172.16.2.0	Update Time 2013/10/24 09:45:12	Status sync success	Description new create	Firmware Version SP350E-V1.00	District 1 1 4 5 1
	IP/MAC Binding Login Users UPnP Port Status USB Storage Dynamic Guest Wireless FininerStatus		Page I OF I P	P1 SHOW JU Y LEFTS		13.		Uspikyling 1 - 1 01 1
	- VPN 1-1 Mapping - Log							

Step 4-2. Setup the Free Time.

(1) Go to CONFIGURATION -> Object -> AP Profile -> SSID. Confirm the SSID name. The default Profile Name is "Guest".

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	CONFIGURATION	Radio SSII									
	🔐 Quick Setup	SSID List	Security List	MAC Filter List							
	Licensing										
	Wireless	SSID Summary									
630	Network	a.u.a.									
	Web Authentication Errourall	O A00 🖉	art 📕 kemove (ODject Kererence							
	Filewall Billing	# Profile	Name 🔺	SSID	Security Profile	QoS		MAC Filtering Pro	ofile VLAN ID		
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		4 4 Pag	pe 1 of 1 ▶	🖂 Show 50 💌 ite	ims				Display	/ing 1 - 1 of :	1
	+ SMS										
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	Object User/Croup										
	AP Profile										
	+ Address										
	Service										
	Schedule										
	 AAA Server 										
	Auth. Method										
	ISP Account										
	System										
	Log & Report										
Γ		Step 4-2-1									



(2) Go to CONFIGURATION -> Free Time. Enable Free Time and fill in the condition. Note: The free time period is configurable.

Z	YXEL UAG4100		Welcome admin <u>Logout</u> ?Help Z About 4
	CONFIGURATION TY Quick Setup Ucensing Wetreless Network Web Authentication Firewall Billing Pinter Manager Fired Time SMS SMS	Free Time General Settings I Enable Free Time Free Time Perod: Reset Time: Maximum Registration Number Before Reset Time: Delivery Method:	30 (30-120minutes) 00:00 C 1 (1-5) On-Screen
	- BWM ⊕ Object ⊕ System ⊕ Log & Report	Note: If you want to configure ssid profile settings of the account of the settings of the sector of	nt, please go to <u>Billing.</u>

After using Free time.

(1) The end user will be redirected to this page. Ask the end user to click on the link.



(2) Then the user will go to the Free Time page and click on the "OK" button.





(3) The user will get the Internet service login account/ password / time period.

