



The All-in-one Guest Access Solution of Tomorrow, Delivered Today



Application Guide

Unified Access Gateway Series

Providing Internet access in hospitality venues is not the same as in homes or offices as users come and go in large numbers, making access management and bandwidth abuse prevention exceptionally challenging; and convenient, always online and high-quality WLAN connectivity are necessary for customer satisfaction as well. To address this, ZyXEL offers comprehensive Unified Access Gateway (UAG) portfolio to help hospitality organizations for:



Lowered TCO

- Services provided through an one-box device
- Scale up concurrent login numbers and managed APs without the need for hardware upgrades



Revenue generation

- Advanced billing feature offers flexible free, paid and tiered Wi-Fi services
- Billing plans can be customized to suit different needs



Higher customer satisfaction

- Non-stop Internet uptime with dual-WAN support
- Concurrent 2.4 GHz and 5 GHz Wi-Fi bands with combined rates of up to 600 Mbps



Secured network connectivity

- Built-in firewall provides secured network services for both customers and the staff
- Works with Unified Security Gateway (USG) for advanced network security

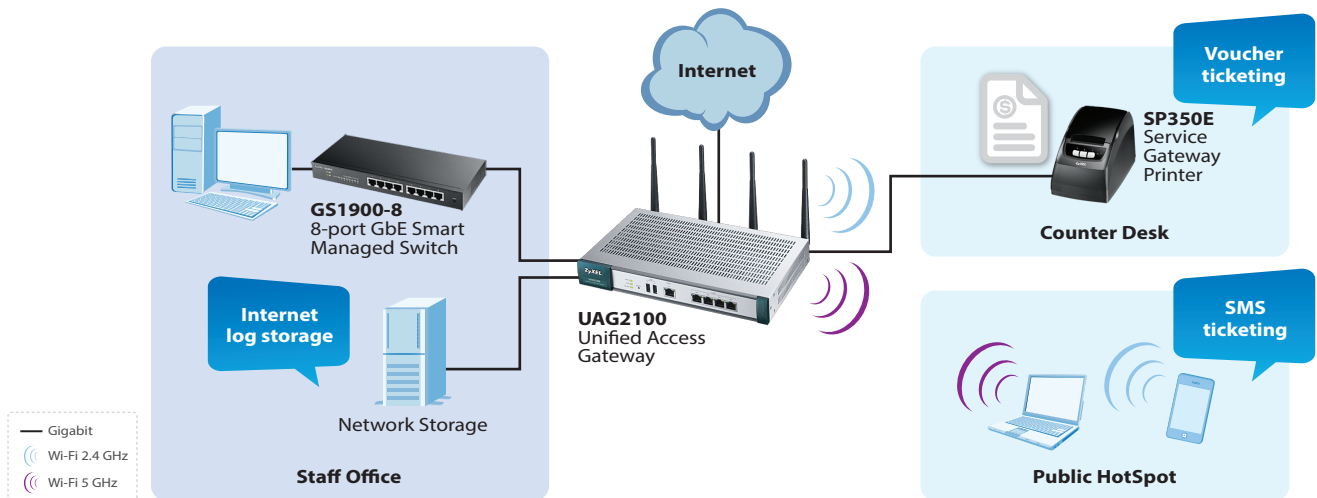


Application Diagram

Instant hotspot solution

- Concurrent 2.4 GHz and 5 GHz Wi-Fi bands* provide 2x the spectrum and 2x the bandwidth to accommodate a much larger amount of wireless devices
- The combination of ZyXEL UAG and SP350E enables one-click billing and account generation with voucher ticketing to offer easy operation for staff members and smooth services flows in busy cafés
- Supports SMS ticketing to deliver account information directly to the customers' mobile phones
- Traffic logs can be stored in remote syslog servers or local USB dongles

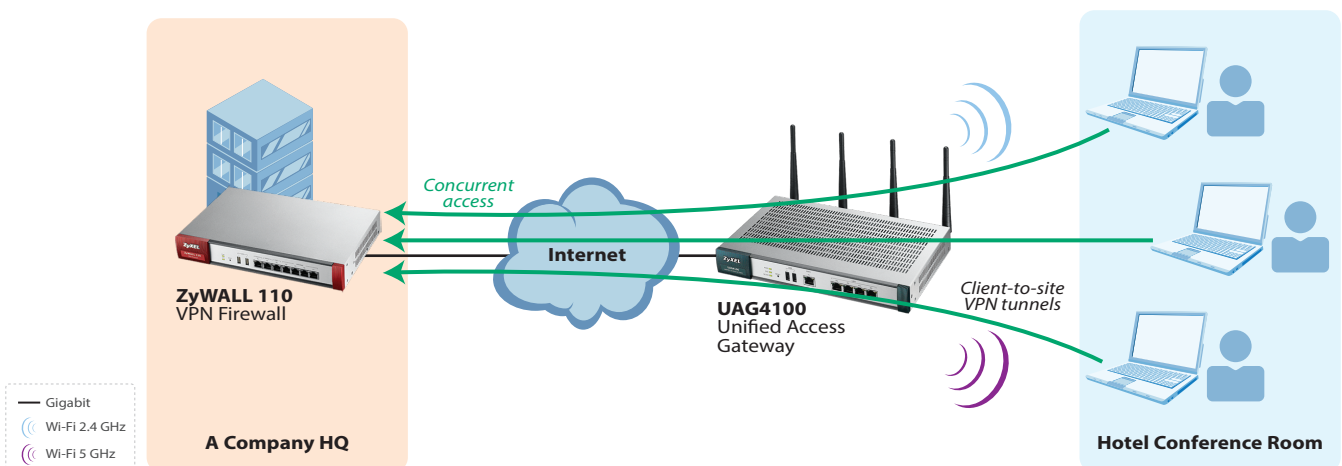
* Concurrent 2.4 GHz and 5 GHz Wi-Fi bands support on UAG2100/4100



Facilitating client-to-site connection

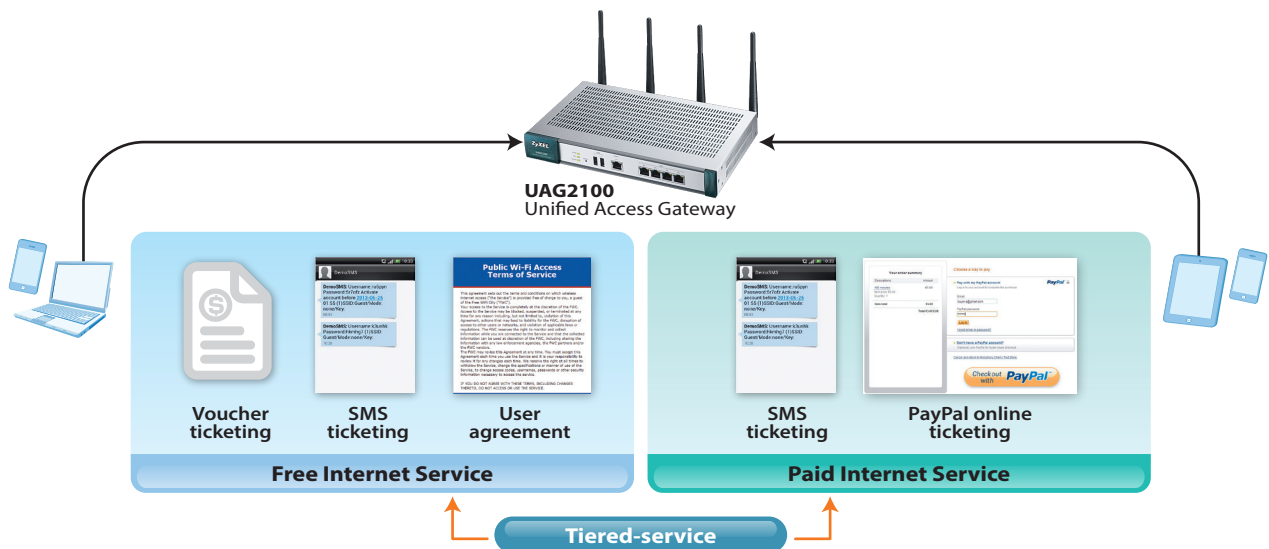
VPN 1-to-1 mapping

- Resolves IP conflicts when more than one user connect to the same remote VPN gateway via client-to-site VPN tunnels
- Makes the IP addresses of the computers appear to be different
- Enables multiple business travelers to connect to their offices via VPN at the same time



Comprehensive alternatives for free or paid Internet access

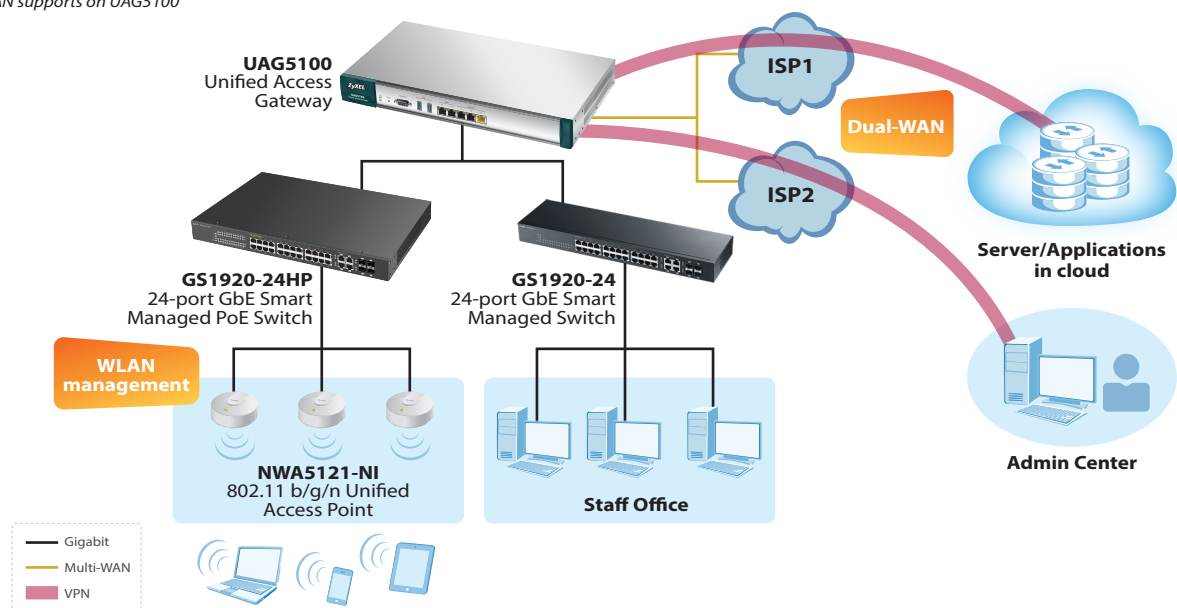
- ZyXEL UAG billing plans can be customized with varying bandwidth speeds, service durations and levels of payments
- Voucher ticketing can generate accounts easily with the combination of ZyXEL UAG and SP350E ticket printers at the counter
- Supports SMS ticketing to deliver account information directly to the customers' mobile phones
- Customers gain access to the Internet upon accepting the customized user agreement page
- Online ticketing with Paypal is also supported for more flexibility



Flexible deployment

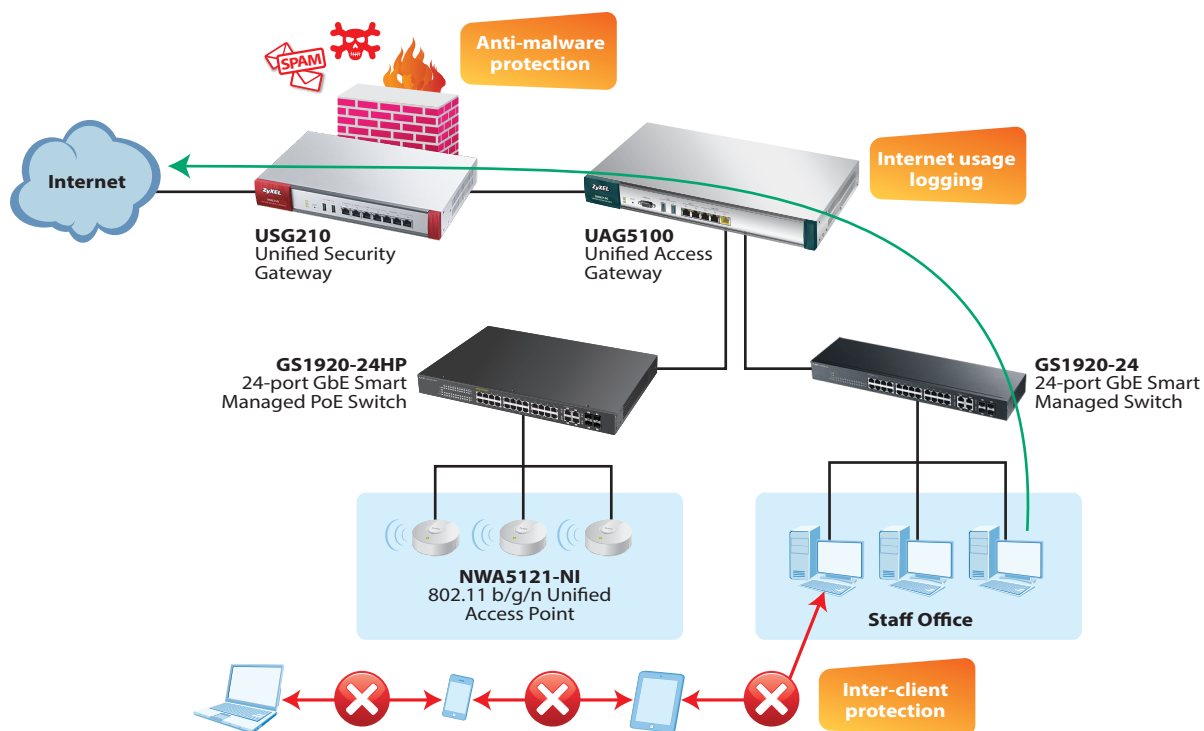
- With ZyXEL UAG, clients can ensure secure access to cloud applications and remote administration privileges
- Dual-WAN* support assures continuous business
- Built-in WLAN controller for scalable Wi-Fi coverage extension and management

* Dual-WAN supports on UAG5100






Total security

- Works with the ZyXEL Unified Security Gateway (USG) to provide advanced network protection
- The UAG automatically record user account information, MAC addresses, source and destination IPs, data volume and protocol types for future auditing
- Enables businesses to protect personal devices connected to the Web through both wired and wireless from anonymous hacking attempts by L2 isolation



Portfolio

Model Name	UAG5100	UAG4100	UAG2100
Product photo			
Hardware Specifications			
10/100/1000 Mbps RJ-45 ports	3 x LAN, 2 x WAN	4 x LAN, 1 x WAN	4 x LAN, 1 x WAN
USB ports	2	2	2
Ticket printer support	Yes (SP350E)	Yes (SP350E)	Yes (SP350E)
System Capacity & Performance ^{*1}			
Routing throughput (Mbps) ^{*2}	250	200	150
Concurrent logins (default/max.)	500/800	200/300	100/200
Max. concurrent sessions ^{*3}	80,000	40,000	20,000
DHCP pool size	4,096	4,096	4,096
WLAN Management			
Built-in WLAN controller	Yes	Yes	Yes
Managed AP number (default/max.)	16/32	8/16	0/8
SSID	8	8	8
Wireless Specifications			
Standard compliance	-	802.11 a/b/g/n	802.11 a/b/g/n
Radio	-	2	2
Antennas	-	2.4 GHz: 2T2R MIMO; 5 GHz: 2T2R MIMO (Detachable, SMA-R)	
WAN			
WAN load-balancing/failover	Yes/Yes	-/-	-/-
AAA & Billing			
Web-based authentication	Yes	Yes	Yes
RADIUS client	Yes	Yes	Yes
Time-to-finish/Accumulation billing modes	Yes/Yes	Yes/Yes	Yes/Yes
Customizable billing profiles	Yes	Yes	Yes
Account operator	Yes	Yes	Yes
User agreement	Yes	Yes	Yes
SMS ticketing	Yes	Yes	License
Security			
SPI firewall	Yes	Yes	Yes
Layer 2 isolation	Yes	Yes	Yes
VPN pass-through	Yes	Yes	Yes
IPSec VPN	Yes (10 tunnels)	-	-
802.1x support	Yes	Yes	Yes
Management			
Syslog	Yes	Yes	Yes
SNMP	Yes (read only)	Yes (read only)	Yes (read only)
Limited user sessions	Yes	Yes	Yes
Pass-through address	Yes (IP)	Yes (IP)	Yes (IP)
Walled garden	Yes	Yes	Yes
Customizable login page	Yes	Yes	Yes
Customizable user agreement page	Yes	Yes	Yes
Power Requirements			
Power input	100 - 240 V AC, 0.6 A	12 V DC, 3 A max.	12 V DC, 3 A max.
Max. power consumption (watt)	25	28	28
Included accessories	• Power cord • Rack mounting kit	• Power adapter • Rack mounting kit • Antenna	• Power adapter • Rack mounting kit • Antenna
Physical Specifications			
Dimensions (WxDxH)(mm/in.)	382 x 205 x 44/ 15.04 x 8.07 x 1.73	272 x 171 x 36/ 10.71 x 6.73 x 1.42	272 x 171 x 36/ 10.71 x 6.73 x 1.42
Weight (kg/lb.)	2.36/5.20	1.46/3.22	1.46/3.22

*1: Actual performance may vary depending on network conditions and activated applications.

*2: Routing throughput measured using the industry standard Ixia IxLoad testing tool (1,460-byte TCP packets).

*3: Maximum sessions measured using the industry standard Ixia IxLoad testing tool.

For more product information, visit us on the web at www.ZyXEL.com



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