ZyXEL

- Easy deployment via multiple operating modes and IEEE 802.3af PoE support
- Multiple 4 SSIDs benefit different service levels (NWA1100-N)
- Certified WPA/WPA2 support for strict network protection
- Comprehensive management solutions that effortlessly merge into the existing network administration system
- Environmental friendly through IEEE 802.11az Energy Efficient Ethernet and WMM Power Saving features

NWA1100 Series

802.11 b/g/n PoE Access Point

Secure and Reliable WLAN Connectivity for Small- to Medium-scale Businesses

The ZyXEL NWA1100 Series is designed for small- and medium-sized businesses to extend the existing wired networks. The ZyXEL NWA1100 Series consists of two models: NWA1100 and NWA1100-N Access Points (APs). The NWA1100-N is the 802.11n version of ZyXEL's entry-level PoE AP with data rates of up to 300 Mbps, while the NWA1100 is an 802.11 b/g PoE AP with data rates up to 54 Mbps.

With the prevalence of the 802.11n standard, Wi-Fi is now fast enough to be considered as the exclusive network standard for all office users, as such the ZyXEL NWA1100 Series is an ideal solution that meets small business requirements. Featuring PoE support and multiple operating modes, the NWA1100 Series provides the highest flexibility for WLAN deployments.

Benefits

Multiple operating modes and PoE support for easy deployment

The NWA1100 Series has a 4-in-1 design consisting of AP, repeater, bridge and Wi-Fi client operating modes to provide superior flexibility for WLAN network deployments.

By eliminating the need for AC power adapters, the PoE support of the NWA1100 Series makes it easier than ever for users to overcome installation difficulties. ZyXEL's PoE switches and other 802.3af standard-based PoE devices can transmit power and data to the AP simultaneously utilizing existing Ethernet wires.

Enhanced coverage and data throughput with 11n standard (NWA1100-N)

With the newly ratified 802.11n Wi-Fi standard, businesses can now take advantage of high-speed wireless networking through the 11n-certified ZyXEL NWA1100-N. With the 11n standard and MIMO technology, the NWA1100-N supports data rates of up to 300 Mbps and provides a wider coverage with the same transmit power.

Multiple SSID for multiple application services (NWA1100-N)

The NWA1100-N supports up to 4 SSIDs on one hardware platform, and this turns the unit into several virtual APs. Businesses can take advantage of this technology to allow the APs to support several applications such as public Internet access and inventory control.

SNMP management and WiFi-certified security

With a web-based configuration utility, SNMPv3 can be used to configure hundreds of APs with optional ZyXEL Enterprise Network Center* (ENC) software. The NWA1100 Series is WiFi-certified for enterprise-class security and IEEE interoperability to work as an ideal choice to establish an easy-to-use wireless network in the workplace.

** To learn more about ENC, please refer to the ENC datasheet.*

ZyXEL

NWA1100 Series
802.11 b/g/n PoE Access Point

Specifications

Model		NWA1100	NWA1100-N
Product Name		802.11 b/g PoE AP	802.11 b/g/n PoE AP
Main Design			
Wireless Frequency		2.4 GHz	2.4 GHz
Radio		1	1
Number of Antenna		2	2T2R MIMO
Frequency Band		2.4 GHz Bands USA: 2.412 to 2.462 GHz; ETSI: 2.412 to 2.472 GHz; Taiwan: 2.412 to 2.462 GHz	
Maximum Output Power*			
11 b/g	**USA**	23 dBm	20 dBm
	Worldwide	17 dBm	16 dBm
11 b/g/n	**USA**	-	20 dBm
	Worldwide	-	16 dBm
LAN & WAN			
Number of 10/100M LAN		1	-
Number of 10/100/1000M LAN		-	1
PoE		Yes	Yes
PoE Power Draw		7.2 W	10 W
WLAN Features			
WLAN Maximum Net Throughput		Up to 25 Mbps	Up to 110 Mbps
WMM (Wi-Fi Certified)		Yes	Yes
WEP		Yes	Yes
WPA/WPA2-PSK		Yes	Yes
WPA/WPA2-Enterprise		Yes	Yes
WLAN Access Control List		Yes	Yes
EAP-TLS, TTLS, PEAP, SIM		Yes	Yes
Security			
IEEE 802.1x		Yes	Yes
MAC Filtering		Yes	Yes
RADIUS Authentication		Yes	Yes
Network			
VLANs		-	Yes
DHCP Client		Yes	Yes
QoS			
WMM		Yes	Yes
DiffServ Marking		-	-
WLAN Management			
Standalone AP Mode		Yes	Yes
CLI with SSH		Yes	Yes
SNMP		Yes	Yes
Standard Compliance			
Ethernet		IEEE 802.3, IEEE 802.3u, IEEE 802.3af	IEEE 802.3, IEEE 802.3u, IEEE 802.3az, IEEE 802.3af
PoE		IEEE 802.3af	IEEE 802.3af
Radio Modulation Type		802.11b: DBPSK, DQPSK, CCK 802.11g: BPSK, QPSK, 16-QAM, 64-QAM	802.11b: DBPSK, DQPSK, CCK 802.11g: BPSK, QPSK, 16-QAM, 64-QAM 802.11n: BPSK, QPSK, 16-QAM, 64-QAM
WLAN Management			
Radio		FCC Part 15C 15.247, ETSI EN 300 328, DGT LP0002	
EMC		FCC Part 15/107, EN 301 489-17 V1.2.1: 08-2002, EN 301 489-1 V1.5.1:11-2004	
Safety		EN 60950-1, IEC 60950-1	
Environmental Specifications			
Operating Temperature		0°C to 50°C/32°F to 122°F	
Operating Humidity		20% to 95% (Non-condensing)	
Storage Temperature		-30°C to 60°C/-22°F to 140°F	
Storage Humidity		10% to 90%	
Physical Specifications			
Item Dimensions (WxDxH)(mm/in.)		152 x 92 x 45/5.98 x 3.62 x 1.77	152 x 92 x 45/5.98 x 3.62 x 1.77
Item Weight (g/lb.)		180/0.40	200/0.44
Packing Dimensions (WxDxH)(mm/in.)		275 x 147 x 100/10.82 x 5.79 x 3.94	275 x 147 x 100/10.82 x 5.79 x 3.94
Packing Weight (g/lb.)		750/1.66	770/1.70

** The conducted output power varies by antenna.*

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

5-100-00711011 09/11