



- Easy deployment via multiple operating modes and IEEE 802.3af PoE support
- Multiple 4 SSIDs benefit different service levels
- 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 only)

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 only)

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.



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

