



Best Wi-Fi Surfing Experience for Hotel Guests

- IEEE 802.11 b/g/n
- Strongest certified wireless security
- Embedded SISO antenna
- Configurable Low TX power provides suitable coverage and prevents wireless interference
- Central WLAN management with ENC software
- IEEE 802.3af PoE supports easy installation for administrators
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- RJ-11 phone line pass-through

The rapid boom of mobile handheld devices renders 3G bandwidth insufficient under certain circumstances; as such many hospitality facilities are building faster Wi-Fi networks to satisfy customer needs. To hotel guests, the ZyXEL NWA1300-NJ can provide a superior Wi-Fi surfing experience by integrating wireless and wired connectivity into a small unit and PoE power supply. The new NWA1300-NJ is capable of replacing traditional network outlet cabling and can be quickly installed discretely into the wall box. In addition, the IT administrators can centrally manage thousands of network devices with much less operating cost using ZyXEL's Enterprise Network Center (ENC) network management software.

Benefits

Electrical outlet design for elegant guest room interior

The NWA1300-NJ features an "electrical outlet box" design to provide flexibility for hotel WLAN deployments. With the built-in Ethernet port, it offers wired network to guests in addition to the wireless connectivity as well. The NWA1300-NJ also provides a phone port for interior designers to utilise the conventional phone network.

Utilising Ethernet network to save deployment cost

Eliminating the needs for AC power adapters, the PoE support of NWA1300-NJ makes it easier than ever for hotels to overcome installation difficulties, as ZyXEL's PoE switches and other 802.3af standard-based PoE devices can transmit power and data to the NWA1300-NJ simultaneously through CAT-5 Ethernet cables to provide flexible installation options for locations that are difficult to lay standard wires.

Good coverage and 11n performance for customer satisfaction

In traditional hospitality deployment scenarios, walls and partitions made of materials such as concrete or wood would degrade signals, and sometimes lead to an unsatisfactory level or even disconnection. The unique design of NWA1300-NJ provides impressive wireless coverage that solves bad signal and interference problems, while the Wi-Fi certified 11n support allows hotel operators to take advantage of wire speed networking. The NWA1300-NJ is the best-in-class solution to enhance the satisfactory level of public Internet users.

Effortless network installation that eases administrative burdens

In addition to the Web-based configuration utility, network administrators can utilize the ZyXEL Enterprise Network Center* (ENC) software to manage hundreds of NWA1300-NJs via the graphical, profile-based control panel. With all the sophisticated designs, the NWA1300-NJ provides a refreshing wireless coverage solution to the hospitality service sector.

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

NWA1300-NJ
802.11 b/g/n In-wall
PoE Access Point



Specifications

System Specifications

Standard Compliance

- Ethernet:
 - IEEE 802.3
 - IEEE 802.3u
 - IEEE 802.3af
- WLAN:
 - IEEE 802.11 b/g/n
- Modulation type:
 - 802.11b: DBQSK, DQPSK, CCK
 - 802.11g: BQSK, QPSK, 16-QAM, 64-QAM
 - 802.11n: BQSK, QPSK, 16-QAM, 64-QAM
- 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

Antenna

- 1 embedded antenna (Single In Single Out, SISO)

Performance

- Wired data rates: 10/100 Mbps Auto-sensing (full-duplex switch)

Security

- WLAN Access Control List
- WEP 64/128-bit
- WPA-PSK, WPA2-PSK
- WPA-Enterprise, WPA2-Enterprise
- EAP-TLS, TTLS, PEAP, SIM

Hardware Specifications

Ports

- Ethernet: 10/100Base-T full duplex RJ-45 x 1
- Power over Ethernet: Yes
- Phone: RJ-11 pass-through

Power Supply

- Power specification: PoE, IEEE 802.3af support
- Power consumption: 7.2 Watt

Physical Specifications

- Item dimensions (WxDxH):
87 x 87 x 55.5 mm (3.43" x 3.43" x 2.19")
- Item weight: 122 g (0.27 lb.) (with frame)
- Packing dimensions (WxDxH):
210 x 161 x 72 mm (8.27" x 6.34" x 2.83")
- Packing weight: 295 g (0.65 lb.)

Mounting

- Designed for mounting in a standard wall outlet box: BS 4662: 2006

Environmental Specifications

Operating Environment

- Temperature: 0°C to 50°C (32°F to 122°F)
- Humidity: 20% to 90% (Non-condensing)

Storage Environment

- Temperature: -30°C to 60°C (-22°F to 140°F)
- Humidity: 10% to 90% (Non-condensing)

MTBF (hrs): 54,575

Certification

Radio

- FCC Part 15C 15.247
- ETSI EN 300 328
- DGT LP0002

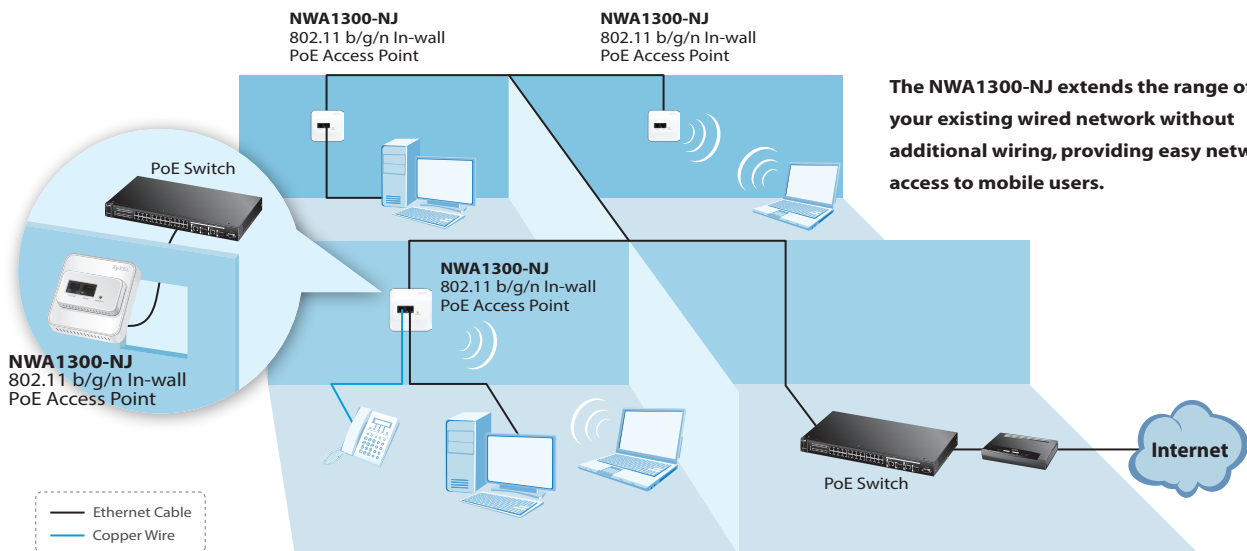
EMC

- 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

Application Diagram



The NWA1300-NJ extends the range of your existing wired network without additional wiring, providing easy network access to mobile users.

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

