ZYXEL

NWA1302-AC

802.11ac Wall-Plate PoE Access Point

The Zyxel NWA1302-AC has been designed for per-room deployment scenarios. It turns a RJ45 outlet box into not only a wireless access point to provide WiFi services, but also a Gigabit switch with PoE to power smart TV or VoIP devices to establish the last-mile network services. Featuring NebulaFlex™, the NWA1302-AC can be managed through the Web GUI or license-free Nebula cloud management platform.

Benefits

Versatile mounting options

The low profile and versatile mounting design of the Zyxel NWA1302-AC make it a perfect choice for per-room deployments. It easily blends into tasteful decorations and can be mounted directly on the outlet box or any obscure locations – or simply on your desktop. For the best look, the Ethernet cable and coaxial cable can run out from the cable channel to keep NWA1302-AC slim and fit in a limited space.

Welcome your guest with high-speed WiFi

Designed for per-room deployments, NWA1302-AC features smart antenna and beamforming to dynamically change signal directions to provide superb performance for each individual client. Zyxel's smart antenna has been proved to be the best solution to mitigate interference from neighboring APs wherever it is mounted. The NWA1302-AC promises users with enjoyable, ubiquitous HD streaming experience on their mobile devices.

- Provides wireless, wired and PoE connectivity with 802.11ac as well as a built-in Gigabit switch
- Compact design with a unique cable channel makes it to fit into all mounting places and saves space
- NebulaFlex™ gives the flexibility to switch between standalone and license-free Nebula cloud management
- Equipped with smart antenna proven to mitigate interference from neighboring APs
- Enterprise-class 2x2 802.11ac AP supporting combined data rates of up to 1.2 Gbps
- Three downlink Gigabit Ethernet ports, including one with PoE to power VoIP phones or other devices

nebula

Zyxel one network
Redefining network integration

Datasheet NWA1302-AC

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Extending modern in-room connectivity with a box

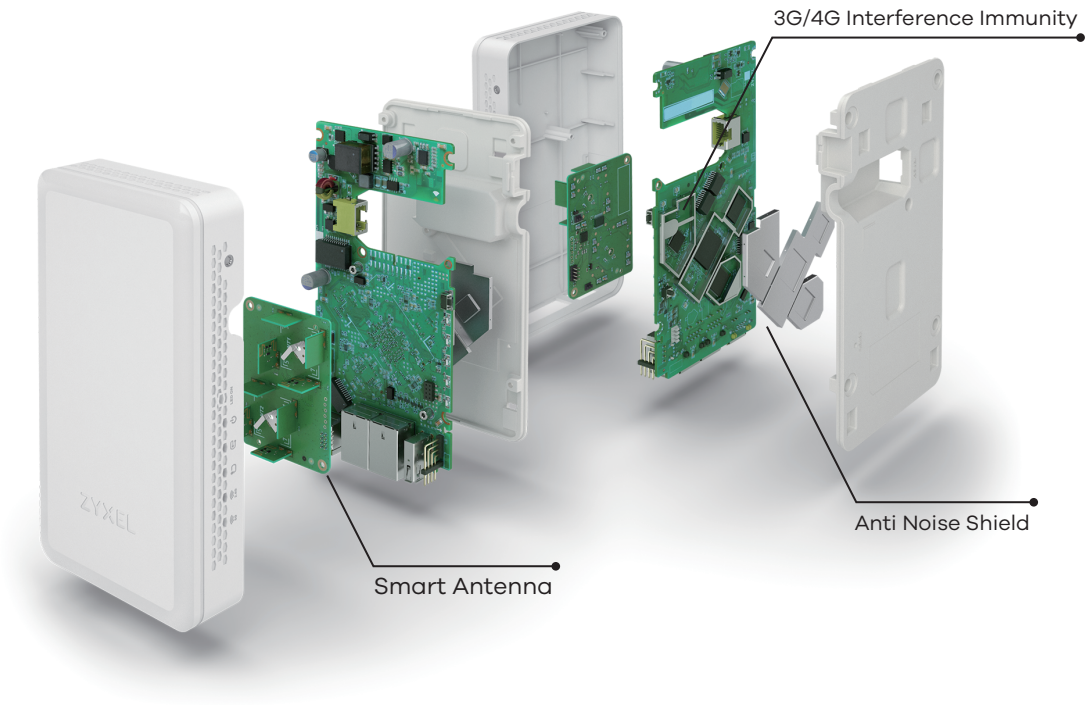
Nowadays, people demand wired switches to support smart TV, VoIP and high-speed Internet access in hotel rooms, meeting rooms and studios. As a result, rooms are filled with cables and switches that require more investment and are difficult to maintain. Let's keep the budget and cabling efforts to the minimum. More than just a WiFi AP, the Zyxel NWA1302-AC has three local Gigabit Ethernet ports to securely attach wired devices, in which a PoE port powers the attached devices without the need for electric outlets and power cables.

Manage it your way! – Switch easily between standalone and cloud management

Taking advantage of NebulaFlex™, the NWA1302-AC can be managed as a traditional standalone AP or a Nebula cloud managed AP. You can switch easily between two management platforms for different application scenarios with only a few simple clicks–no need to pay any extra fee. With the remote and real-time management capability, Zyxel's Nebula cloud center allows you to configure devices before unboxing and even monitors networks in all branches conveniently in your own office.

RF First – high-performance, reliable connections through design

When the access point is being designed, every detail is taken into account to ensure the best user experience. With Zyxel's commitment to RF first for high-performance, reliable connection, the NWA1302-AC adopts optimized RF solutions, including noise shield and smart antenna, to provide great user experience even in challenging environments as hotel rooms.

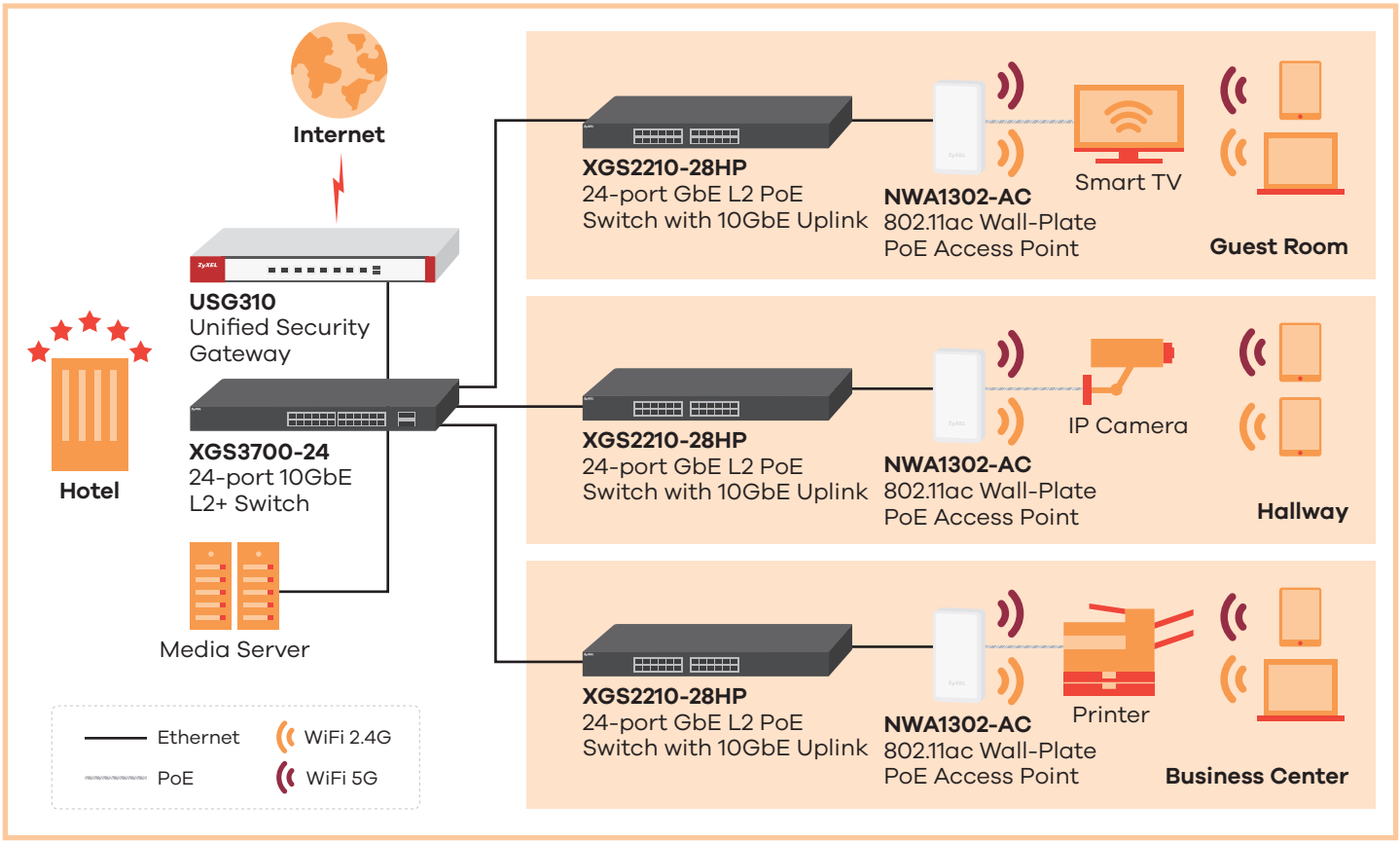


Specifications

Model		NWA1302-AC
Product name		802.11ac Wall-Plate PoE Access Point
Wireless		
Standard		IEEE 802.11 ac/n/g/b/a
MIMO		SU-MIMO
Peak speed	**2.4 GHz**	300 Mbps
	5 GHz	866 Mbps
Frequency band	**2.4 GHz (IEEE 802.11 b/g/n)**	• USA (FCC): 2.412 to 2.462 GHz • Europe (ETSI): 2.412 to 2.472 GHz
	5 GHz (IEEE 802.11 a/n/ac)	• USA (FCC): 5.15 to 5.35 GHz; 5.725 to 5.850 GHz • Europe (ETSI): 5.15 to 5.35 GHz; 5.470 to 5.725 GHz
Bandwidth		20-, 40- and 80-MHz
Conducted typical transmit output power	**US (2.4 GHz/5 GHz)**	18/19 dBm
	EU (2.4 GHz/5 GHz)	17/19 dBm
RF Design		
Antenna type		2x2 MIMO smart antenna
Antenna gain	**2.4 GHz**	5 dBi
	5 GHz	5 dBi
Minimum receive sensitivity		Min. Rx sensitivity up to -98 dBm
WLAN Feature		
Band steering		Yes
WDS		Yes
Security		
Encryption		WEP/WPA/WPA2-PSK
Authentication		WPA/WPA2-Enterprise/EAP/IEEE 802.1X/RADIUS authentication
Access management		L2-isolation/MAC filtering
Networking		
IPv6		Yes
VLANs		Yes
WMM		Yes
Management		
Operating mode		Cloud managed/standalone
ZON Utility		• Discovery of Zyxel switches, APs and gateways • Centralized and batch configurations ▪ IP configuration ▪ IP renew ▪ Device reboot ▪ Device locating ▪ Web GUI access ▪ Firmware upgrade ▪ Password configuration ▪ One-click quick association with Zyxel AP Configurator (ZAC)
ZAC		• Batch AP configuration • Batch AP firmware upgrade • Batch AP profile backup
Web UI/CLI		Yes
SNMP		Yes

Physical Specifications		
Item	**Dimensions (WxDxH)(mm/in.)**	90 x 170 x 29/3.54 x 6.69 x 1.14
	Weight (kg/lb.)	0.32/0.71
Packing	**Dimensions (WxDxH)(mm/in.)**	190 x 110 x 55/7.48 x 4.33 x 2.16
	Weight (kg/lb.)	0.54/1.19
Included accessories		Multi-purpose mounting bracket with screws
MTBF (hr)		809,263
Ethernet port		1 x 10/100/1000M uplink 3 x 10/100/1000M downlink (including on PoE PSE)
Power		• 802.3at PoE: 20W (include 7W for PoE PSE) • 802.3af PoE: 12W (PoE PSE disabled)
Environmental Specifications		
Operating environment	**Temperature**	0°C to 50°C/32°F to 122°F
	Humidity	10% to 95% (non-condensing)
Storage environment	**Temperature**	-30°C to 70°C/-22°F to 158°F
	Humidity	10% to 90% (non-condensing)
Certifications		
Radio		ETSI EN 300 328, FCC Part 15C, LP0002, EN 60601-1-2
EMC		EN 301 489-1, EN 301 489-17, EN55022, EN55024, EN61000-3-2/-3, FCC Part B, BSMI CNS13438
Safety		EN 60950-1, IEC 60950-1, BSMI CNS14336-1

Application Diagram



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