Multipurpose Access Point Tailor-made for Growing SMB Needs

• Multipurpose 2-in-1 design with managed AP mode and standalone AP mode
• Complies with IEEE 802.11 a/b/g/n standards with data rates up to 300 Mbps
• Supports Power over Ethernet (PoE), auto-discovery and auto-provisioning
• 2GbE ports support for exibility to connect to other devices
• Enterprise grade Wi-Fi security with WPA/WPA2-Enterprise
• High-performance RF technology: Tx Beamforming and Rx Maximum

Mobility and BYOD (Bring Your Own Device) in the workplace are trends that businesses today need to address to stay competitive. Yet with fewer resources, small- and medium-sized businesses need to plan their wireless networks carefully to get the most out of their investments. Growing SMBs need a solution that is flexible enough to satisfy the wireless needs of today, but also prepare them for future expansion.

Featuring a special 2-in-1 design (standalone and managed modes), the ZyXEL NWA3560-N v2 Unified Access Points provide ultra-high versatility and investment protection. They can function as a standalone AP when the company is small, and become a controller managed AP when the company grows. The NWA3560-N v2 supports PoE, auto-discovery and auto-provisioning to make deployment with ease. They also provide high-speed, dual-band Wi-Fi for maximum wireless quality and performance.

Benefits

Low-cost WLAN expansion for growing businesses
The ZyXEL NWA3560-N v2 is a highly versatile WLAN solution that offers optimal investment protection for growing businesses. NWA3560-N v2 features a 2-in-1 design that allows them to function as either a standalone AP or managed AP. Small businesses, hotels or schools can initially use the NWA3560-N v2 in standalone AP mode; and as the company grows and more APs are added to the network, they can be set to controller managed mode as wireless demand growing.

Double the bandwidth, better performance
Mobility and the trend of BYOD have ushered in the need for more Wi-Fi bandwidth and higher Wi-Fi Capacity in the workplace. Companies today need a faster, more reliable wireless network to satisfy the access needs of a growing amount of mobile Internet devices. Designed in compliance with IEEE 802.11 a/b/g/n standards, the ZyXEL NWA3560-N v2 can provide dual-band Wi-Fi with data rates up to 300 Mbps to solve the network overloading and signal interference problems of crowded Wi-Fi environments, provides concurrent 2.4 and 5 GHz wireless connectivity. This allows IT administrators to direct some of the wireless traffic to the 5 GHz band to balance network loading and provide better Wi-Fi quality for a larger amount of users.

NWA3560-N v2
802.11 a/b/g/n
Unified Access Point
Easy deployment with PoE, auto-discovery and auto-provisioning

ZyXEL NWA3560-N v2 APs provide a variety of features to make configuration and installation quick and effortless. With Power over Ethernet (PoE) support, all models in the NWA3560-N v2 can be powered by PoE switches via Ethernet cable, which makes installation more flexible and eliminates the need to install electrical outlets near every access point. Once installed and powered up, NWA3560-N uses the auto-discovery function to look for the controller and join the management group automatically. The auto-provisioning function enables secure, automatic provisioning to be established between the controller and the managed APs with ease.
# Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>NWA3560-N v2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>802.11a/b/g/n Dual-Radio Unified Access Point</td>
</tr>
</tbody>
</table>

## Main Design

<table>
<thead>
<tr>
<th>Wireless frequency</th>
<th>2.4 and 5 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio</td>
<td>2</td>
</tr>
<tr>
<td>Antenna</td>
<td>4 internal antennas</td>
</tr>
<tr>
<td>Supported data rates</td>
<td>802.11 a/g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48 and 54 Mbps  802.11n: up to 300 Mbps in MCS15 (40 MHz; GI = 400 ns)</td>
</tr>
<tr>
<td>Frequency band</td>
<td>2.4 GHz (11 g/n)  USA: 2.412 to 2.462 GHz  ETSI: 2.412 to 2.472 GHz  5 GHz (11 a/n)  USA: 5.150 to 5.250 GHz; 5.725 to 5.850 GHz  ETSI: 5.15 to 5.35 GHz; 5.470 to 5.725 GHz</td>
</tr>
</tbody>
</table>

## Typical Transmit Output Power (Conducted)

<table>
<thead>
<tr>
<th>EU</th>
<th>11 b/g</th>
<th>18 dBm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11 g/n</td>
<td>18 dBm</td>
</tr>
<tr>
<td></td>
<td>11a</td>
<td>21 dBm</td>
</tr>
<tr>
<td></td>
<td>11 a/n</td>
<td>21 dBm</td>
</tr>
</tbody>
</table>

| Antenna gain | 2.4GHz: 3dBi; 5GHz: 3.5dBi |

## LAN & Console

<table>
<thead>
<tr>
<th>Console port</th>
<th>1 (RJ-45)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/100/1000 Mbps LAN ports</td>
<td>2</td>
</tr>
<tr>
<td>PoE</td>
<td>Yes</td>
</tr>
<tr>
<td>PoE power draw</td>
<td>12W</td>
</tr>
</tbody>
</table>

## WLAN Features

<table>
<thead>
<tr>
<th>Data Rate</th>
<th>IEEE802.11n 2*2, 300Mbps</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMM (Wi-Fi certified)</td>
<td>Yes</td>
</tr>
<tr>
<td>WEP</td>
<td>Yes</td>
</tr>
<tr>
<td>WPA/WPA2-PSK</td>
<td>Yes</td>
</tr>
<tr>
<td>WPA2 (Wi-Fi certified)</td>
<td>Yes</td>
</tr>
<tr>
<td>WPA/WPA2-Enterprise</td>
<td>Yes</td>
</tr>
<tr>
<td>EAP-TLS, TTLS, PEAP, SIM</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## Network

| VLANs | Yes |
| DHCP client | Yes |

## Security

| IEEE 802.1x | Yes |
| MAC filtering | Yes |
| RADIUS authentication | Yes |
| RADIUS accounting | Yes |
| EAP-type | EAP-TLS, EAP-TTLS, PEAP, SIM, FAST, AKA |
| Rogue AP detection | Yes |
| Rogue AP containment (Wireless IDP) | Yes |
## NWA3560-N v2
**802.11 a/b/g/n Unified Access Point**

<table>
<thead>
<tr>
<th><strong>WLAN Management</strong></th>
<th>NWA3560-N v2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standalone AP mode</td>
<td>Yes</td>
</tr>
<tr>
<td>Managed AP mode</td>
<td>Yes</td>
</tr>
<tr>
<td>CLI with SSH</td>
<td>Yes</td>
</tr>
<tr>
<td>Web UI with SSL</td>
<td>Yes</td>
</tr>
<tr>
<td>SNMP</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Others</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Kensington lock support</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Standard Compliance</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet</td>
<td>IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af, IEEE 802.3af</td>
</tr>
<tr>
<td>Radio</td>
<td>IEEE 802.11 a/b/g/n, 802.11 d/e/i/h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Certification</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio</td>
<td>ETSI EN 300 328 V1.7.1</td>
</tr>
<tr>
<td>ETSI EN 301 893 V1.2.3:08-2003</td>
<td></td>
</tr>
<tr>
<td>EMC</td>
<td>EN 301 489-17 V1.2.1:08-2002 (Class B)</td>
</tr>
<tr>
<td>EN 301 489-1 V1.5.1:11-2004 (Class B)</td>
<td></td>
</tr>
<tr>
<td>Safety</td>
<td>EN 60950-1 (Class B)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Power Requirement</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>12V DC, 1.5A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Physical Specification</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Item dimensions (WxDxH) (mm/in.)</td>
<td>163 x 163 x 40/5.35 x 5.35 x 1.31</td>
</tr>
<tr>
<td>Item weight (g/lb.)</td>
<td>403/0.89</td>
</tr>
<tr>
<td>Packing dimensions (WxDxH) (mm/in.)</td>
<td>295 x 192 x 93/11.61 x 7.56 x 3.66</td>
</tr>
<tr>
<td>Packing weight (g/lb.)</td>
<td>1128/2.49</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Environmental Specifications</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>0°C to 40°C /32°F to 104°F</td>
</tr>
<tr>
<td>Operating humidity</td>
<td>10% to 90% (Non-condensing)</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-30°C to 70°C/-22°F to 158°F</td>
</tr>
<tr>
<td>Storage humidity</td>
<td>10% to 90% (Non-condensing)</td>
</tr>
<tr>
<td>MTBF (hrs)</td>
<td>151,688</td>
</tr>
</tbody>
</table>