



WLAN Controller + Enterprise-Class WLAN Access Point = NWA-3160 Hybrid AP

Benefits

Zero Extra Cost to Convert Stand-alone APs into a Centralized WLAN

ZyXEL NWA-3160 Business Wireless Access Point is the first hybrid AP in its category that can act as a stand-alone enterprise class AP and/or WLAN controller at the same time. The hybrid AP has full flexibility for small- to medium-sized enterprises to deploy secure and reliable WLAN networks. In the initial phase of constructing a WLAN, the NWA-3160 can be configured as a fully functional stand-alone AP; when more APs are installed, the NWA-3160 can be set to the WLAN controller mode to manage all other access points. Moreover, when a new branch office is set up, one of the managed NWA-3160 can become another controller and to manage a separate WLAN network.

Simplifying the Maintenance Efforts for a Quality WLAN

The NWA-3160 can centrally manage 8 other WLAN access points, including the dual-band NWA-3160, dual-band and dual-radio NWA-3500, high power NWA-3163 and outdoor dual-radio NWA3550. The support to a wide range of managed access point enables network administrators to choose the best AP for desired applications, while the management interface resembling single AP also helps network administrators to easily oversee all the WLAN access points, even they are not on the same site.

Enterprise-class Design for Reliable and Scalable Wi-Fi Networks

The NWA-3160 Hybrid AP meets the security and high availability demanded by enterprises as all communications between the Hybrid AP and managed AP are performed in a secured tunnel. Since no configuration data is stored on the managed AP, sensitive setup information will not be exposed even if the AP is stolen. The Hybrid AP also provides the scalability to manage APs across different networks.

Optimized WLAN Throughput

Throughput optimization, another major WLAN concern, is also addressed in the ZyXEL Hybrid AP solution. The NWA-3160 keeps optimizing the channel designation of the managed AP in order to avoid interferences and to provide better WLAN system throughput.

Enterprise-class AP Functionality

NWA-3160 is a full-function enterprise-class AP providing 802.11a/b/g connectivity, up to 8 SSIDs, profile-based management, leading QoS technology for VoWiFi applications, as well as comprehensive management features for massive deployments.

- WLAN Controller, Managed AP and Stand-Alone AP: 3-in-one configurable Hybrid AP
- Centralized management for up to 8 WLAN Access Points
- Secured tunnel for communication between Controller and Managed AP
- Auto Channel Assessment
- Enterprise-Class Access Point functionalities
- Plenum Rating



802.11a/g Wireless
Business Access Point

NWA-3160

Specifications

System Specifications

Standard Compliance

- Ethernet
 - IEEE 802.3
 - IEEE 802.3u
 - IEEE 802.3af
 - IEEE 802.1q, VLAN tagging
- WLAN
 - IEEE 802.11a/b/g
 - IEEE 802.11i
 - IEEE 802.11h

Radio

- Modulation Type
 - 11b: DBQSK, DQPSK, CCK
 - 11a/g: BQSK, QPSK, 16QAM, 64QAM
- Frequency Band
 - USA: 2.412 to 2.462 GHz; 5.15 to 5.25 GHz, 5.470 to 5.725 GHz, 5.725 to 5.825 GHz
 - ETSI: 2.412 to 2.472 GHz; 5.15 to 5.35 GHz, 5.470 to 5.725 GHz
 - Taiwan: 2.412 to 2.462 GHz; 5.25 to 5.35 GHz, 5.725 to 5.825 GHz

Coverage Range

- 11g
 - Indoor: up to 100 m
 - Outdoor: up to 400 m
- 11a
 - Indoor: up to 80 m
 - Outdoor: up to 200 m

Antenna

- 2 dBi dual band omni detachable antenna

Performance

- Wired Data Rates: 10/100 Mbps Auto-sensing
- Wireless Data Rates
 - IEEE 802.11b (auto-fallback)
 - CCK: 11/5.5 Mbps
 - DQPSK: 2 Mbps
 - DBPSK: 1 Mbps

- IEEE 802.11g (auto-fallback)
 - QAM64: 54/48 Mbps
 - QAM16: 36/24 Mbps
 - QPSK: 18/12 Mbps
 - BPSK: 9/6 Mbps

WLAN Operation Mode

- AP
- Multiple SSID (Up to 8 SSIDs)
- Bridge/Repeater

Security

- WLAN Access Control List
- WEP 64/128/152
- WPA-PSK, WPA2-PSK
- WPA-Enterprise, WPA2-Enterprise
- EAP-TLS, TTLS, PEAP, SIM

Management Interface

- HTTP, HTTPS
- Telnet, SSH
- Console
- SNMP v2C, v3

Hardware Specifications

- LAN: One Port 10/100Base-T full duplex RJ-45
- WAN: Configurable 802.11a/b/g
- Reset button: Yes
- Power over Ethernet: Yes
- Power supply: 12 V DC, 1.5 A

Physical Specifications

- Dimensions: 138.5 (W) x 198.5 (D) x 47.5 (H) mm
- Weight: 420 g

Environmental Specifications

Operating Environment

- Temperature: 0°C ~ 50°C
- Humidity: 20% ~ 95% (non-condensing)

Storage Environment

- Temperature: -30°C ~ 60°C
- Humidity: 20% ~ 95%

Certification

Radio

- FCC Part 15C 15.247
- FCC Part 15C 15.407
- EN 300 328
- EN 301 893
- DGT LP0002

EMC

- FCC Part 15B
- EN 301 489-17
- EN 301 489-1
- EN 55022 : 2006
- ICES-003
- AS/NZS CISPR22

Safety

- CSA International
- CSA 60950-1
- IEC 60950-1
- EN 60950-1
- UL 60950-1
- EN 60601-1-2 (Medical Electrical Equipment)
- ANS/UL 2043 Compliant

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