802.11n In-Wall/Ceiling Wireless Access Point

One part number, two installation options

802.11n technology provides ultra-high-speed wireless with improved range and expanded coverage area

DA1101
In-Wall/Ceiling Wireless Access Point

INNOVATIVE TECHNOLOGY

Integrating the latest in wireless technology, the 802.11n Wireless Access Point (N-WAP) provides high-performance fuctionality for flexible wireless communication. With built in IEEE 802.11b/g/n wireless network capability, the N-WAP allows any computer and wireless-enabled network client to connect without additional cabling.

The N-WAP is supplied with mounting hardware for two different installation methods. It can be mounted in a three-gang electrical box using the round cover for in-ceiling installation, or in a single-gang electrical box using the small rectangular cover for in-wall installation. The N-WAP is unobtrusive in look similar to an in-wall speaker or smoke detector, letting it blend right in to any décor.

PRODUCT FEATURES

- Backwards compatible with the 802.11b/g standard (11Mbps/54Mbps)
- Unique design allows for in-ceiling or on-wall mounting
- User-friendly web-based GUI for configuration and management purposes
- Offers data speeds of up to 300mbps
- Two antennas for greater coverage
- Defaults to AP mode with no configuration required, but also supports wireless client mode and AP + client mode

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RELATED PRODUCTS

DA1002
5-Port 10/100 Base-T Ethernet Switch Module

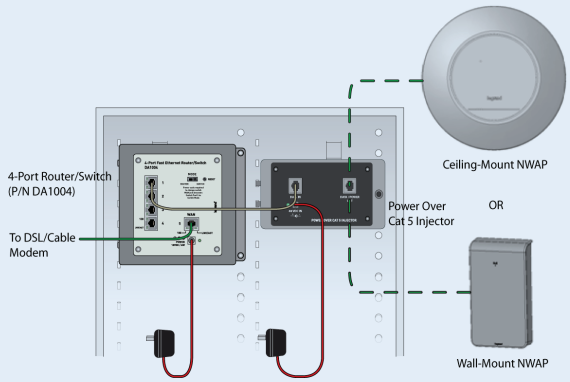
DA1004
4-Port Ethernet Router/Switch

DA1008
8-Port Gigabit Switch

PRODUCT SPECIFICATIONS

Mounting	In-Wall / In-Ceiling
Bracket Included	Yes
Power Supply Included	Yes
Power Requirements	48 VDC 250 MA (Midspan)
Operating Temperature	0˚ to 55˚ C
Storage Temperature	-20˚ to 70˚ C
Humidity	Up to 95% RH (Non-Condensing)
Signal Type	11b mode: DSSS 11g mode: OFDM 11n mode: OFDM, MIMO
Modulation	11b mode: CCK, DQPSK, DBPSK 11g mode: 64 QAM, 16 QAM, QPSK, BPSK 11n mode: 64 QAM, 16 QAM, QPSK, BPSK
LAN Port	1 x 10/100, Auto-MDI/MDI-X
Antennas	2 x embeded antenna
Data Encryption	64 bit / 128 bit WEP, WPA-PSK, WPA2-AES, WPA, WPA2
Frequency	2.4GHz - 2.484GHz
Data Rate	11b mode: 1/2/5.5/11Mbps 11g mode: 6/9/12/18/24/36/48/54Mbps 11n mode: up to 300Mbps

WIRING DIAGRAM



WIRELESS ACCESS POINT INSTALLATION AT-A-GLANCE

1. Run a Cat 5 cable from the enclosure to the triple-gang or single-gang electrical box at the intended N-WAP room location
2. Pull the Cat 5 cable out from the electrical box through the supplied bracket and attach the bracket to the associated electrical box
3. Terminate the Cat 5 cable with an RJ45 plug and connect in to the RJ45 jack on the N-WAP
4. In the enclosure, terminate the other end of the Cat 5 cable from the N-WAP with an RJ45 plug and connect it to the PoE output RJ45 jack and connect a Cat 4 jumper from a router port to the POE input jack
5. Plug the power supply for the PoE module into an AC outlet

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