



## High-Power Ceiling Mount Wireless 300N PoE Access Point

300 Mbps, 2T2R MIMO, PoE Support, Multiple SSIDs and VLANs, 27 dBm, 400 mW

Part No.: **525800**

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### High-Power Ceiling Mount Wireless 300N PoE Access Point — Flexibility in wireless networking

The Intellinet Network Solutions High-Power Ceiling Mount Wireless 300N PoE Access Point gives you the flexibility to increase the range of your wireless network.

The access point features a PoE port, which can be used to power the device from a PoE-compliant LAN switch. This is very convenient in situations where AC power is not readily available.

#### Features:

- Up to 300 Mbps network link speed
- Smoke detector design
- Complies with 2.4 GHz IEEE 802.11n standard and is backward compatible with IEEE 802.11g/b standards
- 2T2R MIMO technology for enhanced throughput and coverage
- Supports WMM function to meet the multimedia data bandwidth requirement
- Supports WEP and WPA/WPA2 (TKIP and AES) data encryption
- IEEE 802.3af-compliant PoE-powered device with one PoE (PD) port
- DHCP server assigns IP addresses for all LAN users
- Easy installation through Web-based user interface
- Three-Year Warranty

#### Specifications:

### Standards

- IEEE 802.1d (Spanning Tree Protocol)
- IEEE 802.11b (11 Mbps Wireless LAN)
- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.11n (300 Mbps Wireless LAN)
- IEEE 802.1x (Network Access Control)
- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3af (Power over Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)

### General

- LAN port: 1 RJ45 10/100 Mbps data and power input port (PD port)
- LAN ports with Auto MDI/MDI-X
- Flash: 8 MB
- Memory: 64 MB SDRAM
- Chipset: Atheros AR9341
- Certifications: FCC Class B, CE Mark, RoHS

### Wireless

- Wireless frequency range: 2.400 – 2.483 GHz
- Modulation technologies:
  - 802.11b: Direct Sequence Spread Spectrum (DSSS): DBPSK, DQPSK, CCK
  - 802.11g: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
  - 802.11n: Orthogonal Frequency Division Multiplexing (OFDM): BPSK, QPSK, 16QAM, 64QAM
- Data rates:
  - IEEE 802.11b (11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
  - IEEE 802.11g (54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
  - IEEE 802.11n (MCS0-15: up to 300 Mbps)
- Output power:
  - OFDM: 23 dBm +/- 1.5 dBm (300 Mbps, 200 mW max.)
  - OFDM: 24 dBm +/- 1.5 dBm (250 Mbps, 40 mW max.)
  - CCK: 27 dBm +/- 1 dBm (11 Mbps, 400 mW max.)
  - Up to 17 dBm (50 mW in European Union)
- Wireless security:
  - WEP encryption (64/128 bit)
  - WPA TKIP
  - WPA2 AES
  - WPA2 mixed
  - WPA RADIUS
  - 802.1x Authentication
  - Client access control through media access control (MAC) filter
- Antennas:
  - 2 integrated omnidirectional antennas with 3 dBi gain each

- 2T2R MIMO mode (2 transmitters, 2 receivers)

#### LEDs

- Power

#### Environmental

- Dimensions: 144 (L) x 144 (W) x 42.5 (H) [mm] / 5.67 (L) x 5.67 (W) x 1.67 (H) [in]
- Weight: 0.8 kg (1.7 lbs.)
- Operating temperature: 0 – 40°C (32 – 104°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -20 – 60°C (4 – 149°F)

#### Power

- External power adapter: 5 V DC, 2.0 A
- Power consumption: 9 Watts max.
- Via PoE PD port: 48 V, 0.2 A

#### Package Contents

- High-Power Ceiling Mount Wireless 300N PoE Access Point
- User Manual
- Power adapter



