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

Wireless networking with three times the speed and five times the flexibility.

The Intellinet Network Solutions High-Power Ceiling Mount Wireless 300N PoE Access Point, Model 525800, is the latest in wireless networking. Taking advantage of new technology, a wireless network can now see greatly enhanced network speeds.

Power over Ethernet Port

The High-Power Ceiling Mount Wireless 300N PoE Access Point comes with a PoE PD port. This port can be used to power the device from a PoE-compliant LAN switch, which 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)

For more information on Intellinet products, consult your local dealer or visit www.intelllinet-network.com.
All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

• 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

For more information on Intellinet products, consult your local dealer or visit www.intelllinet-network.com.
All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

- 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

For more information on Intellinet products, consult your local dealer or visit www.intelllinet-network.com.
All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.

For more information on Intellinet products, consult your local dealer or visit www.intelllinet-network.com.
All names of products or services mentioned herein are trademarks or registered trademarks of their respective owners. Distribution and reproduction of this document, and use and disclosure of the contents herein, are prohibited unless specifically authorized.