



## Manageable Wireless AC1300 Dual-Band Gigabit PoE Indoor Access Point and Router

Wireless AC (5 GHz) up to 867 Mbps + Wireless N (2.4 GHz) up to 450 Mbps, WDS, Wireless Client Isolation, Mountable to Desktop, Wall or Ceiling

Part No.: **525831**

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## High-Performance Indoor Wireless Access Point and Router with Wave 2 Wireless Internet as Your Network Catalyst

### Fast, manageable and cost-effective

Give your business network a wireless-Internet boost with The Intellinet Network Solutions Wireless AC1300 Dual-Band Gigabit PoE Access Point and Router. Its high-performance Wave 2 technology is ideal for data-intensive applications in professional environments. MU-MIMO (Multi-user Multiple Input Multiple Output) allows all of the available streams to be used by several clients concurrently for enhanced Wi-Fi efficiency. For an even more efficient network, up to 200 of these Access Points can be managed with the Intellinet Network Solutions Wireless Access Point Management Controller (see model #525749) conveniently from one place.

### Congestion-free with simultaneous dual-band performance

The main benefit of a dual-band AC access point is the ability to shift traffic from the congested 2.4 GHz band to the relatively uncluttered 5 GHz space. Use the 2.4 GHz band with up to 450 Mbps for everyday online tasks and the 5 GHz AC band for heavy-duty traffic like the important VoIP calls or video conferences in your business environment with up to 867 Mbps.

### Savings on installation time and cost with optional PoE

Power the access point with the included AC adapter or connect it via the PoE PD port. This port can be used to power the AP from an IEEE 802.3at/af-PoE compliant LAN switch or injector, which is very convenient in situations where AC power is not readily available.

## Clean, low-profile design

The clean, plain-white housing blends into most environments and includes a convenient mounting plate for walls and ceilings.

## Features:

- Ultra-fast data transfer rate up to 1.3 Gbps in simultaneous dual-band operation
- Compatible with Intellinet Network Solutions Wireless Access Point Management Controller (see model #525749)
- Modern IEEE 802.11ac Wave 2 technology for a major boost in network efficiency
- Delivers up to 867 Mbps on 5-GHz band and 450 Mbps on 2.4-GHz band
- MU-MIMO technology to increase speed and throughput for multiple devices at once
- Wireless Client Isolation for additional security
- Three Gigabit Ethernet ports for super-fast wired connections
- Supported modes: Access Point, Router, WDS
- Automatic search for least congested WLAN channel for optimal performance
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK data encryption
- QoS (Quality of Service) bandwidth management
- Easy installation through Web-based user interface or through Intellinet Network Solutions Wireless Access Point Management Controller (see model #525749)
- PoE-enabled; no need to install near a traditional power source
- IEEE 802.3af-compliant PoE-powered device with one PoE (PD) port
- Includes power adapter and mounting bracket for optional wall mount or ceiling mount
- Firmware upgradeable
- Three-year warranty

## Specifications:

### Standards

- IEEE 802.11ac Wave 2 (867 Mbps Wireless LAN)
- IEEE 802.11n (450 Mbps Wireless LAN)
- IEEE 802.11a (54 Mbps Wireless LAN)
- IEEE 802.11g (54 Mbps Wireless LAN)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3i (10BASE-T)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3af (Power over Ethernet 802.3at Type 1)
- IEEE 802.3at (Power over Ethernet 802.3at Type 2)

### General

- Chipset: Qualcomm QCA8337 Gigabit Ethernet
- LAN port: 2 x RJ45 10/100/1000 Mbps data

- WAN port: 1 x RJ45 10/100/1000 Mbps data port and power input port (PoE PD port)
- USB Port: 1 x USB-A port for save/backup configuration and firmware upgrades
- Flash memory: 16 MB
- RAM memory: 128 MB DDR2
- Certifications: FCC, CE, RoHS

#### Wireless 5 GHz

- Chipset: Qualcomm QCA9886
- Link speed: up to 867 Mbps

#### Modulation:

- IEEE 802.11g/a: OFDM
- IEEE 802.11n: QPSK, BPSK, 16-QAM, 64-QAM
- IEEE 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM

#### Output Power:

- ? 23 dBm

#### Wireless 2.4 GHz

- Chipset: Qualcomm QCA9563
- Link speed: up to 450 Mbps

#### Modulation:

- IEEE 802.11g/a: OFDM
- IEEE 802.11n: QPSK, BPSK, 16-QAM, 64-QAM

#### Output Power:

- ? 24 dBm

#### Wireless 2.4 + 5 GHz

- Wireless security:
  - WEP encryption (64/128 bit)
  - WPA/WPA2
  - WPA/WPA2-PSK
- WLAN MAC address filter
- Three built-in 2.4 GHz 3 dBi FPC antennas; two built-in 5 GHz 3 dBi FPC antennas

#### Router

- Supported WAN connection types:
  - Dynamic IP (DHCP for cable service)
  - Static IP
  - PPPoE (for DSL)
  - PPTP
- Protocols:
  - PPPoE
  - NTP
  - DHCP
  - DDNS
  - SSH
  - Telnet
- Firewall:

- Port/URL/MAC filter
- DMZ (demilitarized zone)
- Port Forwarding
- Wi-Fi Protected Setup (WPS)
- Multiple SSIDs
- System log

#### Power

- External power adapter: 12 VDC, 1.5 A
- Via PoE PD port (IEEE 802.3at)

#### Environmental

- Dimensions: 180 (L) x 180 (W) x 26 (H) mm / 7.09 (L) x 7.09 (W) x 1.02 (H) in.
- Weight: 0.318 kg (0.7 lbs.)
- Operating temperature: 0 – 40°C (32 – 104°F)
- Storage temperature: -40 – 70°C (-40 – 158°F)
- Operating humidity: 10 – 90% RH, non-condensing

#### Package Contents

- Manageable Wireless AC1300 Dual-Band Gigabit PoE Indoor Access Point and Router
- Mounting kit for wall or ceiling
- Quick installation guide
- Power adapter



