RP -WAC 5 405 B

Wireless-N 802.3at PoE Ceiling AP

The RP-WAC5405B Wireless-n ceiling AP is designed to target at the most effective, Home, and SOHO. The built-in 802.3at PoE feature allows you to add wireless access to existing business network without extra power adapter.

The device features advanced algorithms for automatic selection of modulation schemes to maximize the data rate and improve spectral efficiency. Software features such as WDS setting, Bridge VLAN setting, filtering, SNMP, web management, advanced QOS, DHCP, firewall, PPPoE, high grade encryption, port forwarding and Bandwidth control.

The features, high power and sensitivity, of RP-WAC5405B offers a solid coverage of the entire room. RP-WAC5405B is the most flexible and cost effective broadband wireless ceiling AP Platform.
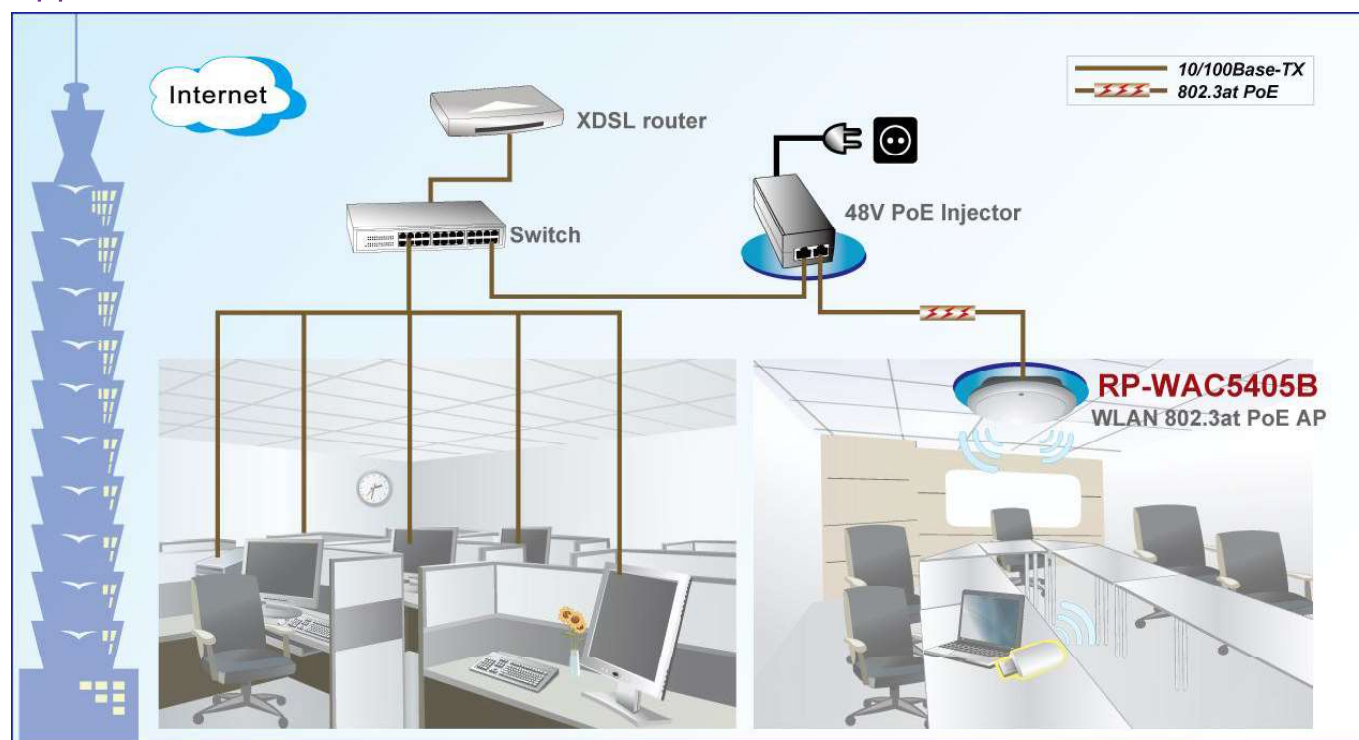
Feature

- Wireless LAN 802.11n and 802.11b/g compliant
- Support advanced 2T2R Technology with up to 300Mbps downstream data rate
- Support PoE/PD function (IEEE802.3af/at)
- Support 64/128bit WEP encryption; Wi-Fi Protected Access(WPA) / WPA2
- Wireless Setting Operation Mode: AP / Pt(M)P Bridge / Client / Repeater
- Support adjustable transmit power by 1dBm
- Support VLAN & SNMP
- Support IEEE802.1d Spanning Tree settings
- Support multiple SSID with 802.1q VLAN tagging (up to 4)
- Maximum clients 128 (each VLAN supports 32 clients)
- Support QoS (WMM) and wireless traffic shaping & Time settings
- 9dBi MIMO antenna
- Support 48V by external PoE Injector (optional)

Specification

Standards	- IEEE 802.11n/b/g; IEEE 802.3; IEEE 802.3u; - IEEE 802.3at PoE/PD
Interface	- 1* RJ-45, Auto MDI/MDI-X Ethernet 10/100Base-TX
Antenna	- 9dBi MIMO antenna
SDRAM	- 32M Bytes
Flash	- 8M Byte
Frequency Band	- America/FCC: 2.412~2.462 GHz (11 channels) - Europe CE/ETSI: 2.412~2.472 GHz (13 channels)
Radio Frequency Type	- DSSS / OFDM
Media Access Protocol	- CSMA/CA
Modulation	- IEEE802.11b: CCK, DQPSK, DBPSK - IEEE802.11n: OFDM with BPSK, QPSK, 16QAM, 64QAM
Receiver Sensitivity	- -93@1Mbps; -84dBm @ 11Mbps; -75dBm @ 54Mbps; -68dBm@HT-20, MCS-15; -64dBm@HT40, MCS-15
Transmission Power	- Up to 28dBm

Transmission Rate	- IEEE 802.11b: 1/ 2/ 5.5/ 11 Mbps
	- IEEE 802.11g: 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54 Mbps
	- IEEE 802.11n (2x2 HT20):
	  13.5/27/40.5/54/81/108/121.5/135 @ GI=800ns
	- IEEE 802.11n (2x2 HT40):
	  15/30/45/60/90/120/135/150 @ GI=400ns
	  27/54/81/108/162/216/243/270 @ GI=800ns
	  30/60/90/120/180/240/270/300 @ GI=400ns

Channel	- 2.412~2.462GHz (Canada, FCC) -11 Channels - 2.412~2.472GHz (Euro, ETSI) -13 Channels
Security Systems	- 64-bit / 128-bit WEP encryption; - Wi-Fi Protected Access (WPA) / WPA2
Operation Mode	- AP / Pt(M)P Bridge / Client / Repeater
Software / Firmware	- Site survey - DHCP Client - Suppressed SSID - Station Separation - Spanning Tree settings - Wireless access control by MAC address filter (up to 50) - Support multiple SSID with 802.1q VLAN tagging (up to 4) - Profile isolation from each other using VLAN (802.1q) standard - Web-based configuration via popular browser (MS IE, Google Chrome…) - Windows AP Locator utility for fast management - Firmware upgrade and configuration backup via Web Browser - Reset and/or restore to default by WebUI or by Reset button - Support Auto-reboot & schedule reboot - VPN pass-through - SysLog - Support SNMP v1/v2c, MIB I, MIB II (RFC-1213) - Support QoS (WMM) and wireless traffic shaping & Time

	settings - Support Time settings, Ping function and Trace Route function - Maximum clients 128 (each VLAN supports 32 clients)
Management System Browser Support	- Standard SNMP interface support - Windows XP, Vista, Windows 7, Windows 8
Dimension	- Diameter: 143.6mm , Height: 46.8mm
Power Consumption	- 5.28W
Power Supply	- 802.3at PD complied, 48 Volts by external PoE Injector (optional)
Environment	- Operating Temperature: 0 ~50 - Operating Humidity: 10~90% (Non-Condensing)
Certification	- FCC, CE

Application

Ordering information

RP-WAC5405B   Wireless-N 802.3at PoE Ceiling AP, 2T2R