# WAP-C3

## ENTERPRISE CLASS, ULTRA HIGH POWER WIRELESS ACCESS POINT INSTALLS DISCREETLY IN THE CEILING WHILE PROVIDING UNPARALLELED WIRELESS PERFORMANCE.

The WAP-C3 represents a new standard in wireless power. With a power rating of up to 28dBm, and a dual band spectrum that supports 802.11a & 802.11b/g, the Pakedge WAP-C3 is the most powerful wireless access point on the market. The WAP-C3 takes you farther than ever before without losing data-throughput capabilities while opening up the clear skies on the less-crowded 5.0GHz spectrum. Plus, stronger connectivity with touch panels and seamless roaming in multiple-access point homes makes the WAP-C3 the best option for custom installers.

Engineered with simplicity in mind, WAP-C3 installs smoothly with out-of-the-box performance. Just a single Cat5e cable supplies the WAP-C3 with both Ethernet and power. The WAP-C3 doesn't need an electrical outlet nearby so it can be installed virtually anywhere in the home.

The WAP-C3 offers feature-rich capabilities that ensure ease-of-use and adaptability. Touch panel users love the WAP-C3's XTP touch panel mode, a new proprietary RX/TX feature to make low power clients more reliable.

The WAP-C3 combines a resilient steel and aluminum double housing to give the WAP-C3 long lasting toughness and reliability. All of this can be found behind the WAP-C3's smooth, attractive cover. Designed for both highly visible living areas as well as demanding interior environments, the WAP-C3, mounted unobtrusively in the ceiling or wall, performs beautifully and reliably in any room in the house.

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## KEY FEATURES

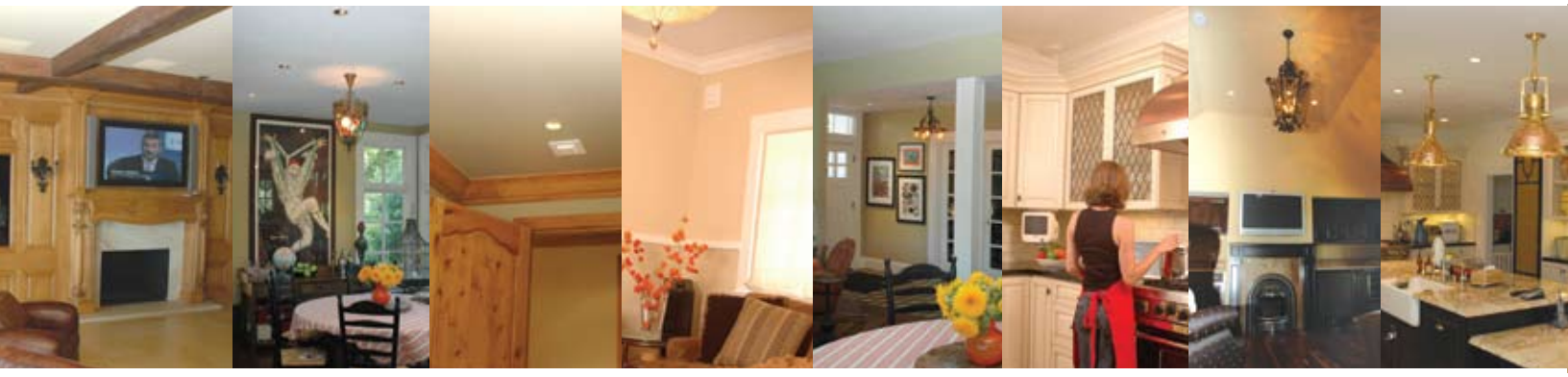
Dual band 802.11a and 802.11b/g offers both 2.4GHz spectrum and the less-crowded 5.0GHz spectrum for lower interference. The WAP-C3 supports all FCC allowable channels on the 5.0 GHz spectrum including DFS, Dynamic Frequency Selection.

Power rating of up to 28dBm, the highest rating on the market. Web-based adjustable power output to personalize and secure your network.

Pakedge XTP touch panel mode for maximum touch panel connectivity.

Supports latest security features such as WPA, WEP, RADIUS, MAC filtering, and Layer 2 Isolation.

Powered by a single Cat5e cable using Power-over-Ethernet, PoE technology. Using PoE eliminates the need for a separate power cable as well as an electrical outlet near the access point, resulting in a simplified, lower cost installation.



Fully compatible with IEEE 802.3af standards and can be used with most PoE devices on the market.

WDS mode extends the range of your wireless network in large installations to allow wireless clients to roam efficiently where they would otherwise have difficulty in a multiple wireless access point environment.

Wireless Client Bridge mode provides a wireless 'bridge' between your main network and additional networks in remote locations and detached structures where installing wires is difficult.

Shielded aluminum housing design maximizes cooling and decreases interference.

Preconstruction/attic install bracket and ceiling mount provide quick installation process and upgradeability as new wireless standards evolve.

Paintable antenna cover to blend into any ceiling or wall.

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## Specially Engineered for Use with Touch Panels

The WAP-C3 was designed with touch panels in mind. Pakedge's new XTP touch panel mode is a proprietary RX/TX feature that enhances connectivity with touch panels and other low power wireless clients. In addition, the WAP-C3's ultra fine-tuned antenna proves excellent with far-reaching wireless connection.

## Innovative Design and Placement

With a rugged steel and aluminum double housing set up; the preconstruction/attic install bracket; a smooth, paintable cover; and single-cable PoE technology, the WAP-C3 can be installed quickly and easily anywhere in the house. In the kitchen or in the attic, the WAP-C3 delivers.

## Dual Band Means Less Interference

With dual band frequency operation, the WAP-C3 is capable of amazing range and through put.  It takes full advantage of both the 2.4GHz 802.11b/g spectrum as well as the less crowded 5.0GHz 802.11a spectrum.

# SPECIFICATION FOR WAP-C3

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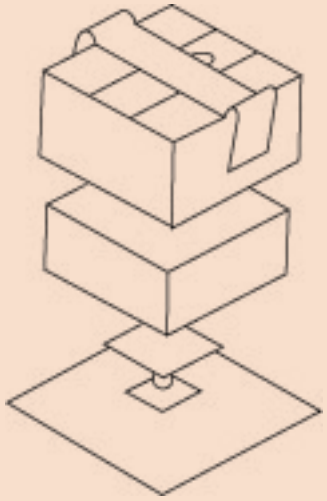
|---|---|
| **STANDARDS** | IEEE802.11a/b/g, IEEE802.3, IEEE802.3u, IEEE802.3af, IEEE802.1f, IEEE802.1x |
| **DATA RATES AND FREQUENCY BAND** | IEEE 802.11b- DSSS 11, 5.5, 2, 1 Mbps (auto fallback)<br>IEEE 802.11a/g- 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps (auto fallback), Modulation-DBPSK @ 1Mbps, DQPSK @2Mbps, CCK @ 5.5 & 11Mbps, BPSK @ 6 and 9 Mbps, QPSK @12 and 18 Mbps, 16-QAM @ 24 and 36 Mbps, 64-QAM @ 48 and 54 Mbps<br>- IEEE 802.11a- Supports DFS Channels |
| **RF INFORMATION** | Frequency Band- 802.11a: 5.15~5.25GHz, 5.25~5.35GHz, 5.47~5.725GHz, 5.725~5.825GHz, North America Channels- Non DFS- 36, 40, 44, 48, 149, 153, 157, 161, & 165; DFS- 52, 56, 60, 64<br>Frequency Band- 802.11b/g: 802.11b/g: U.S., Europe and Japan product covering 2.4 to 2.484 GHz, programmable for different country regulations.<br>Operating Channels- 11 for North America, 14 for Japan, 13 for Europe<br>Receive Sensitivity (Typical)-<br>5.15~5.85G(IEEE802.11a)- Up to -88dBm<br>2.412~2.472G(IEEE802.11g)- Up to -91dBm<br>2.412~2.472G(IEEE802.11b)- Up to -90dBm<br>Available Transmit Power (Typical)<br>5.15~5.24 GHz (IEEE802.11a), Up to 19dBm<br>5.26~5.35GHz (IEEE802.11a), Up to 22dBm<br>5.745~5.85GHz (IEEE802.11a), Up to 20dBm<br>2.412~2.472G (IEEE802.11g), Up to 28dBm<br>2.412~2.472G (IEEE802.11b), Up to 28dBm |
| **POWER REQUIREMENTS** | Ethernet POE in: 36~57VDC for IEEE 802.3af compliant<br>WAP-C3 Device- 12V / 1.0 A<br>Power Supply: 90 to 240 VDC ± 10% (depends on different countries) |
| **OPERATION MODE** | Point-to-Point/ Point-to-Multipoint Bridge/ AP/ Client Bridge/ WDS |
| **MANAGEMENT AND SECURITY** | Remote management via HTTP, SNMP V1, and Telnet<br>Security- IEEE802.1x Authenticator / RADIUS Client (EAP-MD5/TLS/TTLS)<br>Support in AP Mode; WPA/WPA2 supplicant support in Client Bridge mode; WPA2/WPA / Pre-share Key (PSK)/ AES/TKIP<br>MAC address filtering (AP mode)<br>Layer 2 Isolation<br>Hide SSID in beacons<br>IP Auto-configuration- DHCP client/server<br>Firmware upgrade via HTTP |
| **MECHANICAL** | Dimension* - Antenna Housing- 7.9" x 7.9" x 0.75", Electronic Housing- 6.22" x 6.22" x 2.30", Ceiling Mount Bracket- 6.62" x 6.62" x 2.89", LxWxD<br>Weight*- Electronics and Antenna Assembly- 1.4 lbs, Ceiling Mount Assembly- 2.0 lbs.<br>Housing- 14 gauge Aluminum Electronic Housing and 14 gauge Ceiling Mount Bracket<br>LED: Ethernet, Power, Wireless<br>Power Supply (None) - Must use either PI-02 Power Injector or POE Switch such as SW8-4PB.<br>** Weights and dimensions are approximate.* |
| **ENVIRONMENTAL** | Temperature Range-<br>Operating: -10°C to 50°C (14°F to 132°F)<br>Storage: -40°Cto 70°C (-40°F to 158°F)<br>Humidity- 5%~95% Typical |

## Package Contents:

Wireless Access Point
Ceiling Mount Housing and Wing Bracket
Quick Start Guide and Hardware
Category 5e cable

*PoE Power Supply sold separately – please contact your sales representative for options

*Preconstruction/Attic-Install bracket sold separately



**pakedge**device&software inc. creates innovative networking products for people who demand performance, features and reliability. Our products use the most advanced wireless and networking technology and are designed for professionals to install and consumers to enjoy. You'll find our products are easy to use, productive and aesthetically pleasing.

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