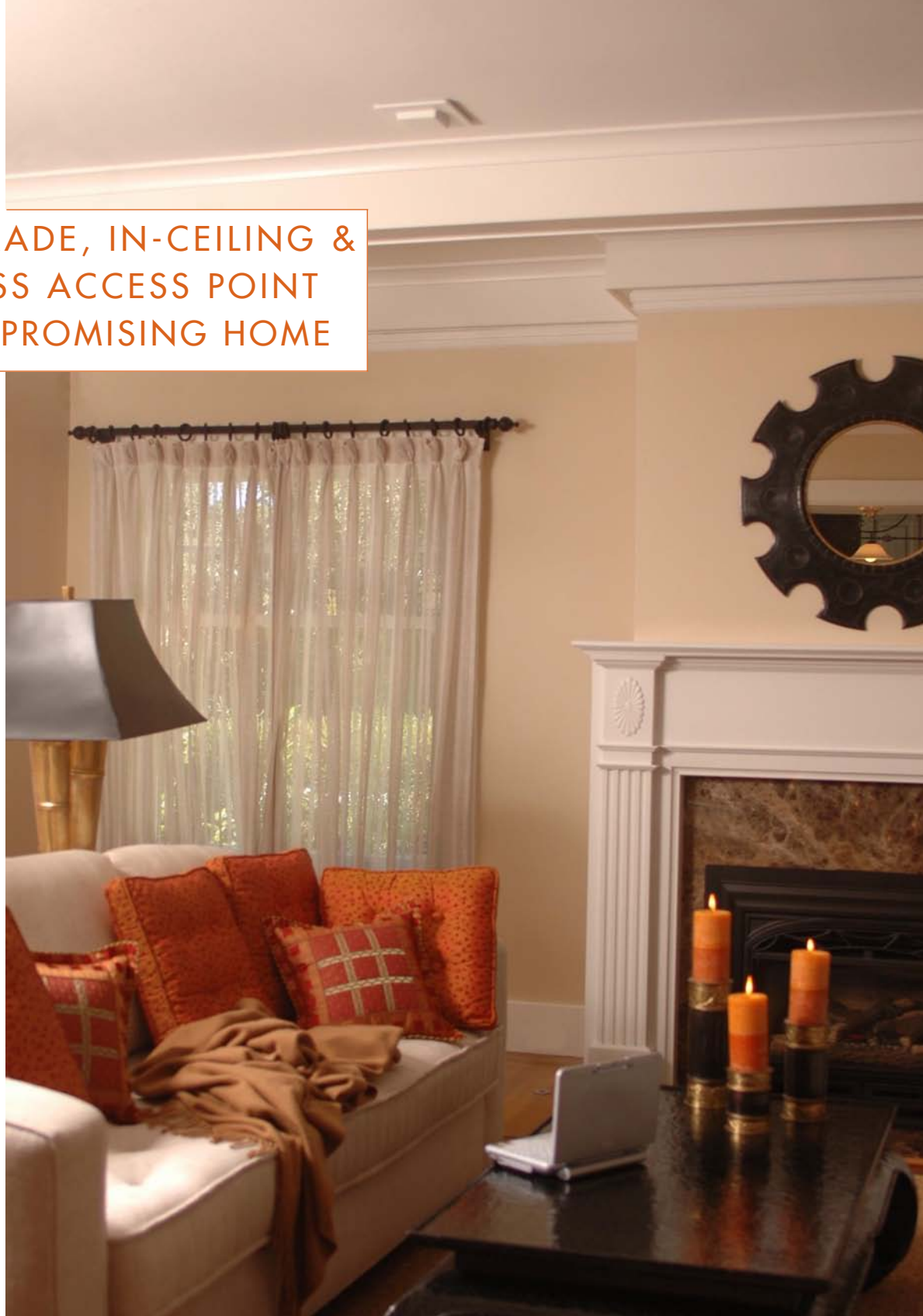


## WAP-C2

### *Next Generation*

## COMMERCIAL GRADE, IN-CEILING & IN-WALL WIRELESS ACCESS POINT FOR THE UNCOMPROMISING HOME OWNER



The Pakedge WAP-C2 is a commercial grade wireless access point that is discreetly installed in the ceiling or wall of your home. The WAP-C2 power output is adjustable. It has one of the highest power ratings (200mW) on the market today. With its ultra flat, high gain antenna, you can now have total wireless coverage in your home. For larger homes, the WAP-C2 has many features that simplify the installation of multiple wireless access points, resulting in a seamless roaming wireless network experience. Designed for the custom installer, the WAP-C2 is networked and

powered by a single Cat5e cable. In addition, it can be powered by most PoE switches on the market today because it is fully 802.3af compliant. For long term reliability and support, the WAP-C2 has a heavy gauge steel ceiling mount housing and an RF shielded aluminum housing. In addition, the WAP-C2 throughput was design for laptops as well as touchpanels. Most importantly, the WAP-C2's sleek design blends unobtrusively into any ceiling or wall, creating a clean look that will surely appeal to those with discriminating taste.



# WAP-C2



Dual 802.11b and g radio configuration with high data speed -54 Mbps.

Industry leading variable software controlled power output (200mW/23dBm) for maximum range, reduced noise and performance.

Supports latest security standards such as WPA, WEP, RADIUS, MAC Filtering, and Layer 2 Isolation.

Remote management, remote update, and file configuration upload capability.

Power-over-Ethernet, (PoE) technology. Fully compatible with IEEE 802.3af, so will accept PoE power from any 802.3af compliant switch or power supply. In addition, the overload and short circuit protection will shut down power immediately when a short circuit is detected without any damage to the PoE system.

Shielded aluminum housing design for maximum protection from interference and maximum cooling.

Double housing design for easy installation during preconstruction and retro-fit scenarios. Quick and easy upgradeability as new wireless standards evolve.

Innovative high gain, ultra flat antenna design for maximum coverage and pleasing aesthetics.

Paintable antenna cover to blend into any ceiling or wall.

WDS operating modes- to extend the range to detached structures, i.e. pool house, without additional cables.

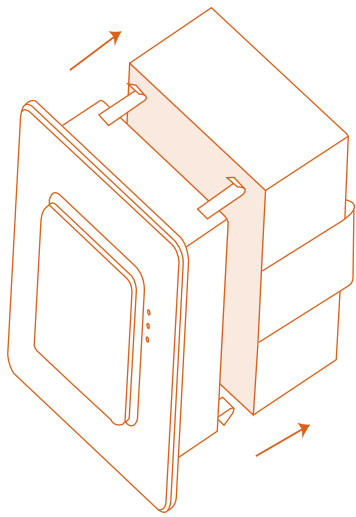
With the Preconstruction/Attic-Install bracket, the WAP-C2 can be easily be installed during preconstruction or on any rafters in the attic (Note: Attic ambient temperature must remain below 120 F).

Includes retrofit installation bracket and housing. Preconstruction/Attic-Install bracket is sold separately (P/N PB-02-01).

Patent Pending

## KEY FEATURES





### **Commercial Grade for Maximum Coverage and Flexibility**

The WAP-C2 wireless access point was designed to accommodate the largest homes. This wireless access point combines industry leading 200 mW variable software controlled power output, a radio with one of the highest receiver sensitivities, and a high gain, ultra flat antenna to maximize range and performance.



### **Embedded in Ceilings or Walls for Optimal Placement and Aesthetics**

Install a commercial-grade WiFi wireless access point in your ceiling or wall and open yourself to a new standard in coverage, reliability and aesthetics. The WAP-C2, from its aluminum RF shielded housing construction to its surface optimized ultra flat antenna, was engineered to be embedded in ceilings or walls during or after home construction.



### **Unique Design for Fast Installation and Management**

A heavy duty steel ceiling mount housing encases an aluminum electronic housing to allow fast pre-construction and retro-fit installation scenarios. The WAP-C2 has an embedded IEEE 802.3af compliant, Power-Over-Ethernet technology enabling it to be powered and networked by a single Category 5e or equivalent cable, power by a PoE switch or power supply.

# SPECIFICATION FOR WAP-C2

<b>STANDARDS</b>	IEEE 802.11b, 802.11g (2.4GHz ISM band)
<b>DATA RATES</b>	802.11b/DSSS 11, 5.5, 2, 1 Mbps (auto fallback) 802.11g/OFDM 54, 48, 36, 24, 18, 12, 9, 6 Mbps (auto fallback)
<b>AUTOMATIC CHANNEL SELECTION</b>	Up to 13 channels selectable based on regulatory domain settings
<b>RF TRANSMIT POWER</b>	Up to 23dBm (200mW) , adjustable in steps
<b>OPERATING MODE</b>	WDS supports AP, P2P, P2MP operating modes
<b>ANTENNAS</b>	8dBi gain directional ultra-flat antenna, UL-Flame Rated, UV-Inhibited, ABS Cover
<b>DIMENSION</b>	Antenna Housing- 7.9" x 7.9" x 0.75", Electronic Housing- 6.22" x 6.22" x 2.30", Ceiling Mount Housing- 6.62" x 6.62" x 2.89", L x W x D
<b>WEIGHT</b>	Electronics and Antenna Assembly- 1.4 lbs., Ceiling Mount Assembly- 2.0 lbs.
<b>HOUSING</b>	14 gauge Anodized Aluminum Electronic Housing and 14 gauge Steel Ceiling Mount Housing & Wing Bracket
<b>ENVIRONMENTAL CONDITIONS</b>	Operating temperature: 32 F to 120 F, Operating humidity: 10% to 95%, non-condensing
<b>POWER SUPPLY</b>	Power-over-Ethernet, IEEE 802.3af compliant, 100-240V 50-60 Hz input
<b>MANAGEMENT AND SECURITY</b>	Remote management via HTTPS and SNMP WPA, Radius, WEP MAC Address Filtering Layer 2 Isolation VPN Pass-Through (PPTP, L2TP, IPSec) IAPP seamless roaming Reset to factory default by command and button Firmware upgrade by HTTPS

pakedge device&software 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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## 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 (P/N -PB-02-01)

