

# WAP-C3G

IN-CEILING, ENTERPRISE-CLASS,  
ULTRA HIGH POWER WIRELESS ACCESS  
POINT – SINGLE BAND 2.4GHz  
WITH VLAN CAPABILITIES



The Pakedge WAP-C3G is an ultra high-power, wireless access point that can be discreetly installed in ceilings or walls of your home with the highest power rating on the market today. The WAP-C3G features adjustable power output/range and was specially designed for exceptional use with touch panels and other control devices. Designed for the custom installer, the WAP-C3G 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.

The WAP-C3G has a heavy-gauge aluminum, RF shielded back plate design to ensure proper cooling and long-term reliability. Most importantly, the WAP-C3G's sleek design blends unobtrusively into any ceiling or wall, creating a clean look that

will surely appeal to those with discriminating taste. As for versatility, the WAP-C3G will boost the effectiveness of a given network by supporting VLANs and multiple SSIDs. This invaluable feature helps segment the wireless network for different clients such as for computers, touch panels, and guests.

With its ultra flat, high gain antenna you can now have complete wireless coverage in your home. Finally, the WAP-C3G can also be configured to operate in any of following modes: Wireless Access Point (WAP), Wireless Bridge, Wireless Repeater, and Wireless Distribution System (WDS). This means that there's so much more capability contained in the WAP-C3G's sleek, simple frame.



# WAP-C3G

## KEY FEATURES

Sleek design blends into any ceiling or wall, for a clean look that appeals to those with discriminating taste.

Patented, innovative, swing out, In-ceiling housing design

Ultra high power 802.11b/g radio configuration

Universal world-wide platform with software country configuration power output

Multiple SSID and VLAN support

Industry-leading, software-controlled, variable power output (28dBm) for maximum performance, range, and security.

Multiple Operating Modes- Wireless Access Point, Wireless Bridge (Point-to-Point and Point-to-Multipoint), Universal and WDS Repeater (WAP to WAP).



Supports latest security standards such as WPA, WPA2, AES, TKIP, WEP, RADIUS, MAC Filtering, and SSID Hide.

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

Power-over-Ethernet - fully compatible with IEEE 802.3af. Accepts PoE power from any 802.3af switch or power supply. Overload and short circuit protection shuts down power immediately when short circuit is detected with no harm to PoE system.

Rugged aluminum back plate designed for maximum protection from interference and efficient cooling.

# SPECIFICATION FOR WAP-C3G

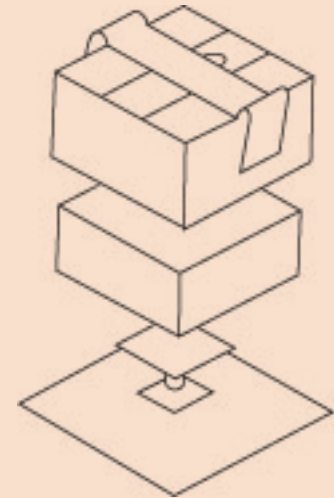
<b>STANDARDS</b>	IEEE802.11b/g, IEEE802.3, IEEE802.3u, IEEE802.3af, IEEE802.1f, IEEE802.1x
<b>DATA RATES AND FREQUENCY BAND</b>	IEEE 802.11b- DSSS 11, 5.5, 2, 1 Mbps (auto fallback) IEEE 802.11a/g- 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps (auto fallback), Modulation-DBPSK @ 1Mbps, DQPSK @2Mbps, 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
<b>RF INFORMATION</b>	<b>Frequency Band- 802.11b/g:</b> U.S., Europe and Japan product covering 2.4 to 2.484 GHz, programmable for different country regulations. Operating Channels- 11 for North America, 14 for Japan, 13 for Europe. <b>Receive Sensitivity (Typical)-</b> 2.412~2.472G(IEEE802.11g)- Up to -91dBm 2.412~2.472G(IEEE802.11b)- Up to -90dBm <b>Available Transmit Power (Typical)</b> 2.412~2.472G (IEEE802.11g), Up to 28dBm 2.412~2.472G (IEEE802.11b), Up to 28dBm
<b>POWER REQUIREMENTS</b>	Ethernet POE in: 36~57VDC for IEEE 802.3af compliant WAP-WG3X Device- 12V / 1.0 A Power Supply: 90 to 240 VDC ± 10% (depends on different countries)
<b>OPERATIONS</b>	Up to Four Multiple SSID Supports 802.1a VLANs Access Point Mode Bridge Mode WDS/Repeater Mode
<b>MANAGEMENT AND SECURITY</b>	Remote mangement via HTTP, SNMP V1, and Telnet Security- IEEE802.1x Authenticator / RADIUS Client (EAP-MD5/TLS/TTLS) Support in AP Mode; WPA/WPA2 supplicant support in Client Bridge mode; WPA2/WPA / Pre-share Key (PSK)/ AES/TKIP MAC address filtering (AP mode) Layer 2 Isolation Hide SSID in beacons IP Auto-configuration- DHCP client/server Firmware upgrade via HTTP QoS- WMM
<b>MECHANICAL</b>	Housing Dimensions- Dome Height: 5/8", Diameter: 8 1/4", Depth: 2", Cutout Diameter: 7" Outer Dimensions (as installed): Dome Height: 5/8", Diameter: 8 1/4" Weight- 22 oz Antenna- Two- 5-dbi, nano-blade, omni-directional Interface- One 10/100Mbps RJ-45 LAN or LAN/PoE Port
<b>ENVIRONMENTAL</b>	Temperature Range- Operating: -10°C to 50°C (14°F to 132°F) Storage: -40°C to 70°C (-40°F to 158°F) Humidity- 5%~95% Typical

## Package Contents:

In-Ceiling Wireless Access Point  
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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