WAP-O3G

OUTDOOR ULTRA HIGH POWER WIRELESS ACCESS POINT

Key Benefits:

- 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 housing designed for maximum protection from interference and efficient cooling.

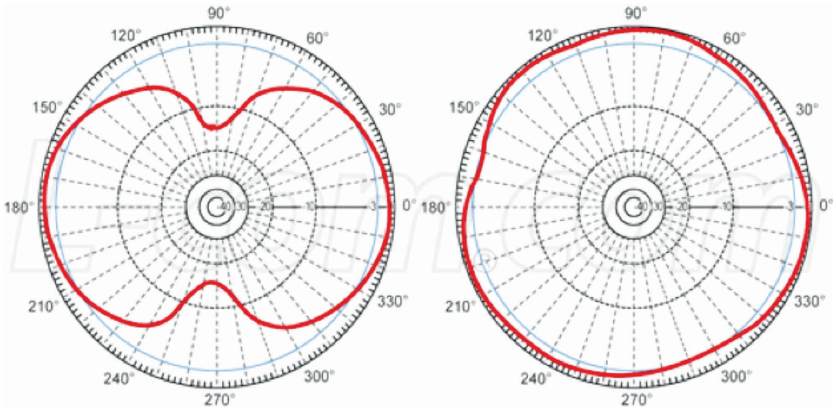
The Pakedge WAP-O3G was designed especially for your outdoor installation needs. While attractive and subtle, its rugged WAP-O3 housing is heat finned, diecast aluminum made to withstand harsh outdoor environments. It also works great as a wireless bridge between your main network and any additional networks in adjacent buildings such as pool or guest houses.

The WAP-O3G brings a new versatility to the pantheon of Pakedge Enterprise-Class, ultra high power wireless access points. The WAP-O3G boosts 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.

The WAP-O3G 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-W3G's sleek, simple frame.

The WAP-O3G features adjustable power output/range and was specially designed for exceptional use with touch panels and other control devices. A single Cat5e cable powers and networks the WAP-O3G which makes it ideal for the custom installer. The WAP-O3G is fully 802.3af compliant so it can be powered by any compliant PoE switch on the market.

ANTENNA GAIN PATTERN



VERTICAL HORIZONTAL

HTTP://WWW.PAKEDGE.COM
1163 Triton Drive
Foster City, CA 94404
Main: 877.274.6100
Fax:650.685.5520
sales@pakedge.com

pakedgedevice&software inc.

Specifications - WAP-O3G

STANDARD
IEEE802.11b/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)
IEEE 802.11g- 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

RF INFORMATION
Frequency Band- 802.11b/g:
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.

Receive Sensitivity (Typical)-
2.412~2.472G(IEEE802.11g)- Up to -91dBm
2.412~2.472G(IEEE802.11b)- Up to -90dBm

Available Transmit Power (Typical)
2.412~2.472G (IEEE802.11g), Up to 28dBm
2.412~2.472G (IEEE802.11b), Up to 28dBm

POWER REQUIREMENTS
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)

OPERATIONS
Up to Four Multiple SSID
Supports 802.1Q VLANs
Access Point Mode
Bridge Mode
Repeater Mode
WDS Mode

MANAGEMENT AND SECURITY
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

MECHANICAL
Dimensions - 11" x 9.5" x 2.5" L x W x D
Weight - 5 lbs.
Housing - 14 gauge Anodized Aluminum Electronic Housing - Die-cast heat finned Aluminum housing
Antenna - N type Female Connector
Interface - One 10/100Mbps RJ-45 LAN or LAN/PoE Port

ENVIRONMENTAL
Temperature Range -
Operating: -10°C to 50°C (14°F to 132°F)
Storage: -40°Cto 70°C (-40°F to 158°F)
Humidity - 5% to 95% Typical

Specifications - Antenna

ELECTRICAL SPECIFICATIONS

Frequency	2400-2500 MHz
Gain	3 dBi
Impedance	50 Ohm
VSWR	< 2.0

MECHANICAL SPECIFICATIONS

Weight	1.4 oz. (40 g)
Length	5.8" (147 mm)
Diameter	0.5" (13 mm)
Finish	Matte Black
Connector	N-Type Male
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Flame Rating	UL 94HB
RoHS Compliant	Yes
Polarization	Vertical

HTTP://WWW.PAKEDGE.COM
1163 Triton Drive
Foster City, CA 94404
Main: 877.274.6100
Fax:650.685.5520
sales@pakedge.com