

## High-speed wireless access for exterior environments!

The Linksys Wireless-G Exterior Access Point lets you connect Wireless-G (802.11g) or Wireless-B (802.11b) devices to your wired network so you can add PCs to the network with no cabling hassle. This weather-resistant Access Point creates a “wireless bubble” in exterior spaces, like patios and outdoor cafés. Power over Ethernet support makes it easy to install, and you can create multiple BSSIDs that connect to individual VLANs to keep your traffic separated.

It's also perfect for use as a bridge, a kind of “cable-less cable” to connect remote areas together. Maybe your warehouse is in a separate building from your offices. Or maybe you need to connect the separate buildings of a college campus. With one Wireless-G Exterior Access Point on each building, you're connected at up to Wireless-G speeds—with no cable to run. The weather-resistant housing protects the access point and is lightning protected.

To protect your data and privacy, the Wireless-G Exterior Access Point supports both Wired Equivalent Privacy (WEP) and the industrial-strength wireless security of Wi-Fi Protected Access™ (WPA), encoding all your wireless transmissions with powerful encryption. The MAC Address filter lets you decide exactly who has access to your wireless network, and advanced logging keeps you apprised. Configuration is a snap with the web browser-based configuration utility.

RangeBooster technology is a compatible add-on to standard Wireless-G which increases your wireless network's range up to two times, and its throughput by up to 35%. Unlike ordinary wireless technologies that are confused by signal reflections, RangeBooster uses two smart receivers at each end to detect and decode reflected signals at distances where standard technologies give up. You'll find that “dead spots” in the wireless coverage area are reduced, too.

Moreover, the integrated QoS features provide consistent voice and video quality on both the wired and wireless networks, enabling the deployment of business quality VoIP and video applications.

Additional features like Multiple BSSIDs, Wireless Roaming, and Auto-Channel selection, make this solution ideal for your Business.

Add high-speed Wireless-G MIMO access to the exterior areas of your small business network

RangeBooster technology for up to twice the range, reduced dead spots, and up to 35% more throughput than standard Wireless-G

Weather-resistant housing, internal high-gain antennas, and Power over Ethernet enable safe, simple, exterior installations

Advanced security with WPA encryption, logging, and MAC address filtering



WAP200E

### PRODUCT DATA

### BUSINESS SERIES

# Wireless-G Exterior Access Point with Power over Ethernet

## Features

- Lightning protected, weather-resistant housing
- 10Base-T/100Base-TX Ethernet port, autosensing half/full duplex and MDI/MDI-X
- Built-in 6-dBi directional antenna with 1x2 MIMO to increase coverage
- Obtains power via 802.3af Power over Ethernet (PoE) from a PoE switch or power injector
- Simplified Web interface for installation and configuration
- Security Features: 802.1X/RADIUS Authentication
- Supports WEP, WPA-PSK, WPA2-PSK, WPA-ENT, WPA2-ENT wireless security
- Supports 4 BSSID and 802.1Q VLAN to SSID mapping
- Supports SNMP and intuitive Web-based interface
- WMM wireless QoS support
- Supports wireless roaming based on 802.11F (IAPP)
- Supports AP, Bridge Mode and Repeater mode
- Supports wireless security monitoring (working together with 200 series client cards)
- Supports wireless client isolation
- 3 Year limited warranty

# Wireless-G Exterior Access Point with Power over Ethernet

## Specifications

Model	WAP200E
Standards	IEEE802.11g, IEEE802.11b, IEEE802.3, IEEE802.3u, IEEE802.3af (Power over Ethernet), 802.1p (QoS priority), 802.1Q (VLAN), 802.1X (Security Authentication), 802.11i - Ready (Security WPA2), 802.11e - Ready (WMM & U-APSD), 802.11F (Wireless Roaming)
Ports	1 Ethernet, 1 External Antenna
Buttons	Reset
Cabling Type	UTP CAT 5
LEDs	Power, Ethernet, Wireless
Operating System	Linux

## Setup/Config

Web UI	Built-In Web UI for Easy Browser-Based Configuration (HTTP/HTTPS)
Static IP	Yes
DHCP Client	Yes

## Management

SNMP Version	1, 2 and 2c
Event Logging	Yes
Web F/W Upgrade	Yes
Diagnostics: Flash, etc.	Flash, RAM, LAN, WLAN

## Operating Modes

Access Point	Access Point Mode, Point-to-Point Bridge Mode, Point-to-Multipoint Bridge Mode, Repeater Mode
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## Wireless

Spec/Modulation	802.11b/DSSS, 802.11g/OFDM
Data Rates	802.11b: 1, 2, 5.5, 11 Mbps; 802.11g: 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
Channels	11 North America, 13 Europe (ETSI and Japan) Auto-Channel Selection
Number of Internal Antennas	2 x 6 dBi (directional)
Antenna Connector Type	Reverse Polarity Female N-Type
Detachable Antenna	Yes (sold separately)
RF Power (EIRP) in dBm	802.11g: Typical - 16.5 dBm, 802.11b: Typical - 17 dBm
Antenna Gain in dBi	Internal Antenna: 6 dBi
Adjustable Power	Yes
Receiver Sensitivity	802.11g: 54 Mbps@ -65 dBm, 802.11b: 11 Mbps@ -85 dBm

## Security

WEP/WPA/WPA2	WEP, WPA-PSK, WPA2-PSK, WPA-ENT, WPA2-ENT
Connection Control	Wireless Connection Control: MAC-Based
SSID Broadcast	SSID Broadcast Enable/Disable
802.1X	IEEE 802.1X Support
Wireless Client Isolation	Wireless Client Devices Can Be Isolated from Each Other Either Within an SSID or Between Two SSIDs. However, Both Isolation Modes Can Be Enabled at the Same Time.
Web-Based Utility Access Control	HTTP/HTTPS, Wireless Client Web GUI Access Control

## Wireless Security

WEP Bits	64, 128
WPA Bits and Params.	128 - TKIP/AES
WPA2 Bits and Params.	256 - AES
SSID Broadcast On/Off	Yes

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Client Isolation	Yes
MAC-based Wireless Connection Control	Yes
Wireless Web GUI Access On/Off	Yes

### Quality of Service

QoS	4 Queues WMM Wireless Traffic Prioritization
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### General

Wireless Roaming Based on IAPP (802.11F)  
Auto-Channel Selection

### Environmental

Dimensions W x H x D	6.42" x 8.07" x 2.17" (163 x 205 x 55 mm)
Unit Weight	2.47 lb (1.121 kg)
Mounting options	Industrial-Strength, weather-resistant housing, lightning protection for outdoor enclosure, ceiling- or wall-mountable
Power	48VDC Max Power Draw: 4.8 W
PoE In Y/N	Yes
Certification	FCC, IC,CE
Operating Temp.	-4 to 140°F (-20 to 60°C)
Storage Temp.	-4 to 140°F (-20 to 60°C)
Operating Humidity	5 to 95%, Noncondensing
Storage Humidity	5 to 95%, Noncondensing

### Package Contents

- Wireless-G Exterior Access Point with Power over Ethernet
- User Guide on CD-ROM
- Mounting Plate with Hardware
- 12-ft Weather-Resistant Network Cable
- Registration Card

### Minimum Requirements

- 802.11b or 802.11g Wireless Adapter with TCP/IP Protocol Installed per PC
- Switch/Router with Power over Ethernet (PoE) Support or PoE Injector
- Web-Based Configuration: Java-Enabled Web Browser

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## BUSINESS SERIES

The maximum performance for wireless is derived from IEEE Standard 802.11 specifications. Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions.

Check the product package and contents for specific features supported. Specifications are subject to change without notice.



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**Model: WAP200E**

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