

# Alcatel-Lucent OmniAccess RAP2WG

## DUAL-PORT REMOTE ACCESS POINT

The Alcatel-Lucent OmniAccess RAP2WG (OAW-RAP2WG) is a single radio 802.11b/g, enterprise-class indoor remote access point, capable of supporting multiple functions including wired and wireless access, air monitoring/wireless intrusion detection and prevention across the 2.4 GHz spectrum. This remote access point delivers secure user-centric network services and applications to remote branch offices, home office workers and telecommuters.

Centrally managed from an OmniAccess Wireless switch, this access point provides the network administrator with unparalleled control over services and security. It also supports authenticated wired and wireless access, and policy based forwarding mechanisms to allow access to centralized and local resources

The OmniAccess RAP2WG is the ideal complement to the Alcatel-Lucent IP Touch for building an easy-to-set-up, easy-to-manage and secure remote worker environment. All Alcatel-Lucent communication applications extend to the home and increase remote worker productivity.



FEATURES	BENEFITS
Zero-touch provisioning	Operates over any existing broadband connection (such as DSL or cable) to automatically establish a secure connection to the central WLAN switch to download its configuration and security policies. This minimizes IT configuration of each home device
Secure user-centric network services and applications	Enables the same user centric services as an Enterprise Campus access point-secure connectivity to a heterogeneous user base including employees, contractors, auditors and guests
Support of Alcatel-Lucent Communication and Collaboration applications	Deployed at the core of the remote worker's network. It has been extensively tested with Alcatel-Lucent voice handsets, communication and collaboration applications to ensure a superior end user experience

## Technical specifications

### Application

- Remote office, home office, retail branch, remote learning, and fixed telecommuter. Indoor applications.

### Wired Operating Modes

- 10/100 Ethernet
- User authentication - 802.1X, captive portal, Mac authentication, or open access
- Policy based forwarding for local resource access

### Wireless Operating Modes

- 802.11b/g WLAN
- 802.11b/g air monitor

### Wireless Radio Specifications

- AP type: Single-radio, single-band
- Supported Frequency Bands (country-specific restrictions apply):
  - 2.400 - 2.4835 GHz
- Available Channels: WLAN switch-managed, dependent upon regulatory domain
- Modulations:
  - 802.11b: Direct-Sequence Spread-Spectrum (DSSS)
  - 802.11g: Orthogonal Frequency Division Multiplexing (OFDM)
- Transmit Power: Configurable in increments of 0.5 dBm
- Association Rates (Mbps):
  - 802.11b: 1, 2, 5.5, 11 with automatic fallback
  - 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 with automatic fallback

### RF management

- Automatic transmit power and channel management control with auto coverage hole correction via ARM

### Advanced Features

- Remote AP (RAP) capable with addition of optional RAP license
- Integrated Trusted Platform Module (TPM) for secure storage of credentials and keys

### Antenna

- Omni-directional, detachable
- Gain: 2.4 GHz-2.5 GHz / 1.5 dBi (nominal)

### Interfaces

- Network: 2 x 10/100Base-T Ethernet (RJ45), auto-sensing link speed and MDI/MDX
- Antenna: 1 x Antenna port RP-SMA
- Power: 1 x DC power connector
- Other: 1 x reset button (resets device to factory defaults)

### Power

- Adapter (included):
  - AC Input: 100-240V/0.3A
  - DC Output: 12V/1A
- Maximum Power Consumption: 6.5W

### Mounting

- Desk top
- Wall

### Mechanical

- Dimensions / Weight (excluding antenna):
  - 2.8" x 3.9" x 1.0" (70 mm x 100 mm x 26 mm)
  - 0.2 pound (90 g)
- Dimensions / Weight (shipping):
  - 6.5" x 10.2" x 2.4" (165 mm x 260 mm x 60 mm)
  - 0.88 pound (400 g)

### Environmental

- Operating:
  - Temp: 0° to 40° C (32° to 104° F)
  - Humidity: 5 to 95% (RH), non-condensing
- Storage:
  - Temp: -40° to +70° C (-40° to +158° F)
  - Humidity: 5 to 95% (RH), non-condensing

### Regulatory

- FCCPart 15
- Industry Canada
- CE Mark
- UL/IEC/EN 60950-1:2001
- CB, cULus

## Ordering Information

PART NUMBER	DESCRIPTION
OAW-RAP2WG-US	OmniAccess RAP2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45) 1 x North America 12V AC power adapter 1x 6ft Ethernet cable and Installation Guide
OAW-RAP2WG-EU	OmniAccess RAP2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ- 45), 1 x Continental Europe (Schuko) 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide
OAW-RAP2WG	OmniAccess RAP2WG remote access point with single radio 802.11'B/G', integrated antenna, 2 x 10/100Base-T (RJ-45), 1 x Universal 12V AC power adapter, 1x 6ft Ethernet cable and Installation Guide.

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