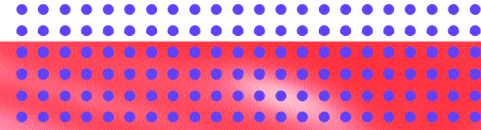


Alcatel-Lucent OmniAccess AP60/61

SINGLE RADIO, 802.11A OR B/G ACCESS POINTS



The Alcatel-Lucent OmniAccess AP60 and AP61 (OAW-AP60 and OAW-AP61) are single radio, 802.11a or b/g access points (APs) designed for dense wireless deployments. The Alcatel-Lucent OAW-AP60 and OAW-AP61 deliver superior capacity, performance, and coverage.

Controlled by Alcatel-Lucent OmniAccess WLAN switches, the software-programmable OAW-AP60 and OAW-AP61 are able to act as wireless access devices, RF monitors, or both simultaneously. The OAW-AP60 and OAW-AP61 eliminate the primary obstacle to dense deployments—the high cost of installing and managing APs in the ceiling. The OAW-AP60 and OAW-AP61 can be connected to existing network ports and wall or desk mounted. With significantly lower cost-to-deploy APs, more companies can implement a performance-based enterprise WLAN.

TECHNICAL SPECIFICATIONS

OAW-AP60 External Antenna Interfaces

The OAW-AP60 offers dual, diversity supporting reverse polarity SMA (RP-SMA) detachable antenna interfaces suitable for single or tri-band detachable antennas of various pattern types and gains.

OAW-AP61 Integral Antenna

The OAW-AP60 offers an integral, diversity-supporting dual, tri-band omni-directional high-gain antenna with 90° degrees movement. The OAW-AP61 integral antenna gain.

- 2.4-2.5 GHz: 2.8dBi
- 5.150-5.350 GHz: 3.9dBi
- 5.6 GHz: 4 dBi

Radio Specifications- 802.11a

- Frequency bands
 - 5.150 ~ 5.250 GHz (lower band): 4 channels (for OAW-AP61 only)
 - 5.250 ~ 5.350 GHz (middle band): 4 channels
 - 5.725 ~ 5.825 GHz (higher band): 4 channels
- Radio technology: orthogonal frequency division multiplexing (OFDM)
- Modulation type - BPSK, QPSK, 16-QAM, 64-QAM

- Transmit power – configurable by system administrator/professional installer
- MAC – CSMA/CA with ACK
- Operating channels:
 - US and Canada: 8 external antenna / 12 internal antenna
 - ETSI: 13
 - Japan: 5 for OAW-AP61 (unavailable on OAW-AP60)
- Data rates: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel

Radio Specifications- 802.11b

- Frequency band
 - 2.4 ~ 2.483 GHz (US, Canada and ETSI)
 - 2.4 ~ 2.497 GHz (Japan)
- Radio technology – direct sequence spread spectrum (DSSS)
- Modulation type - CCK, BPSK, QPSK
- Transmit power – configurable by system administrator
- MAC – CSMA/CA with ACK
- Operating channels:
 - US and Canada: 11
 - ETSI: 13
 - Japan: 14 (13 for OAW-AP60)
- Data rates: 1, 2, 5.5, 11 Mbps per channel



OAW-AP60



OAW-AP61

Radio Specifications 802.11g

- Frequency bands
 - 2.412 ~ 2.462 GHz (USA, Canada)
 - 2.412 ~ 2.472 GHz (ETSI)
 - 2.412 ~ 2.484 GHz (Japan)
- Radio technology - OFDM
- Modulation type – CCK, BPSK, QPSK, 16-QAM, 64-QAM
- Transmit power – configurable by system administrator
- MAC – CSMA/CA with ACK
- Operating channels:
 - US and Canada: 11
 - ETSI: 13
 - Japan: 14
- Data rates: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel

OAW-AP60 PHYSICAL

Height: 6.26 in. (159 mm)
Width: 3.90 in. (99 mm)
Depth: 1.22 in. (31 mm)
Weight: 12.2 oz. (198 g)

OAW-AP60 PHYSICAL

Height: 8.50 in. (216 mm)
Width: 3.90 in. (99 mm)
Depth: 1.22 in. (31 mm)
Weight: 13.6 oz. (255 g)

Electrical Interfaces

- 1 x 10/100BaseTX auto-sensing Ethernet RJ-45 interface
 - Auto-sensing MDI/MDX
 - Serial and power over Ethernet - 48V DC / 200mA power over Ethernet (802.3af compliant)
- 1 x 5V DC power interface

Mechanical Interfaces

- Standard Kensington MicroSaver security cable interface (not supplied)
- Optional wall and ceiling mount kit interface

Visual Indicators (LEDs)

- (Ready) Power on/off
- (Ethernet) link status / activity
- (Radio mode) 802.11a and b/g AP /air monitor mode

Power Requirements

- External AC power or POE
- 5V DC / 2A supplied externally via optional country specific AC adapter kits
- 48V DC / 200mA power over Ethernet (802.3af compliant)

Environmental

- Temperature
 - Operating: 32 to 122° F (0 to 50° C)
 - Storage: 32 to 158° F (0 to 70° C)
- Humidity 5% to 95% (non-condensing)

Standards

- Ethernet IEEE 802.3 / IEEE 802.3u
- Power over Ethernet IEEE 802.3af
- Wireless IEEE 802.11a/b/g

Safety

- CSA/NTRL (CSA 22.2 No. 950 and UL1950)
- EN60950 (TÜV/GS), IEC60950 (CB)

Electromagnetic Compliance

- FCC Part 15 Class A – OAW-AP60 and AP61
- FCC Part 15 Class 15.207/15.247
- FCC Part 15 Class E 15.407
- ICES- 003 Class A
- RSS 210 (CAN)
- VCCI Class A
- EN 61000-3, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4
- EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11
- 73/23/EEC and 89/336/EEC
- EN 55022, EN55024 (89/336/EEC)
- ETS 300 328 (89/336/EEC), ETS 301 489 (89/336/EEC)
- AS/NZS 3548 Class A

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
OAW-AP60	OmniAccess AP60 access point with dual RP-SMA external antenna connectors (supports diversity). Supports 802.11a or 802.11b/g (SW selectable). Supports one 10/100BaseT (RJ-45) Ethernet Interface (power and serial over Ethernet capable) and Installation Guide. Antenna shall be ordered separately. When no power-over-Ethernet is available, an external Power Adapter Kit shall be ordered separately.
OAW-AP61	OmniAccess AP61 access point with integral tri-band antenna (supports diversity). Supports 802.11a or 802.11b/g (SW selectable). Supports one 10/100BaseT (RJ-45) Ethernet interface (power and serial over Ethernet capable) and Installation Guide. When no power over Ethernet is available, an external Power Adapter Kit shall be ordered separately.

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