Standard/Remote
Access Points

WLAN WIRELESS ACCESS POINTS

The Alcatel-Lucent OmniAccess family of wireless access points (APs) is designed to support the various requirements of mobile enterprise networks from large campuses to small branch offices to remote offices.

OVERVIEW

The OmniAccess family of wireless access points (APs) is designed to support the various requirements of mobile enterprise networks from large campuses to small branch offices to remote offices. The APs aggregate wireless user traffic onto the enterprise network and direct this traffic to OmniAccess WLAN switches.

The OmniAccess wireless APs are offered in both indoor and outdoor models, with dual and single radio configurations. This broad portfolio of APs addresses the needs of a wide array of environments including:

- Indoor and outdoor dual radio deployments
- Indoor single radio deployments
- Challenging RF indoor deployments
- Ceiling deployments
- Workspace deployments
- Telecommuter deployments
- Harsh environment/factory floor deployments
- Secure outdoor wireless bridging deployments
- Remote AP (RAP) capabilities
- Integrated Trusted Platform (TPM) for secure storage of credentials and keys
- IEEE 802.11ac/n compliancy

KEY BENEFITS

A high performance wireless mobility solution for enterprises

- **High-performance WLAN** - OmniAccess access points leverage ClientMatch™ technology to ensure that devices are connected to the best AP, which prevents the Wi-Fi network from slowing down as people move throughout your campus
- **Application awareness** - to ensure predictable Wi-Fi performance, Alcatel-Lucent next-generation mobility firewall leverages deep packet inspection (DPI). It classifies traffic by application or application groups so that you can apply prioritization and policies based on your business needs
- **Secure WLAN** - to secure the air, OmniAccess access points support RFProtect™, which provides integrated wireless intrusion protection and spectrum analysis capabilities
- **Deployment flexibility** - with flexible deployment options, enterprise-class Alcatel-Lucent OmniAccess access points can be controlled locally or remotely by centralized OmniAccess Controllers or operate in controller-less Alcatel-Lucent Instant mode
- **Multi-environment solution** - Alcatel-Lucent 802.11ac and 802.11n access points (APs) deliver superb Wi-Fi performance to a wide range of indoor and outdoor environments

KEY FEATURES

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- **ClientMatch technology** eliminates sticky clients by continuously gathering connection metrics from mobile devices and using this data to steer each one to the best AP and radio on the WLAN. Proactive and deterministic, it provides nonstop Wi-Fi client optimization as users roam and RF conditions change
- **AirGroup** makes managing Airplay and DLNA capable devices on your network as simple as using them. AirGroup works across multiple subnets and can free up to 10 times the Wi-Fi bandwidth by preventing multicast traffic
- **AppRF technology** continuously evaluates mobile app usage and performance and makes configuration adjustments in real-time to ensure optimal bandwidth, priority and network paths
- **Spectrum Analysis** capabilities provide a critical layer of visibility into all sources of RF interference and their effects on WLAN performance
- **Adaptive Radio Managemen (ARM)** is a proven, patented technology that uses automatic infrastructure-based controls to manage the entire RF spectrum. ARM™ dynamically adapts to the RF environment to ensure Wi-Fi stability and predictability, as well as optimal performance for all clients and applications

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TECHNICAL
INFORMATION

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CATEGORY	Model	Number of radios	Supported bands	Wi-Fi standards	Radio MIMO type	Max number of BSSIDs (per radio)	Max number of associated clients per radio	Max transmit power (per radio chain MCS0) 2.4 GHz/5 GHz	RF connectors (RP-SMA)	Integrated antennas	TPM module	Network interfaces
INDOOR	OAW-AP93H	1	Dual	802.11a/b/g/n	2 x 2:2	16	Tunnel: 255; Other: 110	18 dBm/18 dBm	No	2 x DB omni	Yes	1 x GE + 4 x FE
	OAW-AP103	2	Dual concurrent	802.11a/b/g/n	2 x 2:2	16	Tunnel: 255; Other: 110	18 dBm/18 dBm	No	2 x omni downtilt	Yes	1 x GE
	OAW-AP104/105	2	Dual concurrent	802.11a/b/g/n	2 x 2:2	8	Tunnel: 255; Other: 110	20 dBm/20 dBm	4 x (AP-104)	4 omni downtilt (AP105)	Yes	1 x GE
	OAW-AP204/205	2	Dual concurrent	802.11a/b/g/n/ac	2 x 2:2	16	255	18 dBm/18 dBm	2 x DB (AP204)	4 omni downtilt (AP205)	Yes	1 x GE
	OAW-AP114/115	2	Dual concurrent	802.11a/b/g/n	3 x 3:3	16	Tunnel: 255; Other: 110	20 dBm/20 dBm	3 x DB (AP114)	6 omni downtilt (AP115)	Yes	1 x GE
	OAW-AP134/135	2	Dual concurrent	802.11a/b/g/n	3 x 3:3	16	Tunnel: 255; Other: 110	17 dBm/17 dBm	3 x DB (AP134)	Omni downtilt (AP135)	Yes	2 x GE
	OAW-AP224/225	2	Dual concurrent	802.11a/b/g/n/ac	3 x 3:3	16	255	18 dBm/18 dBm	3 x DB (AP224)	Omni downtilt (AP225)	Yes	2 x GE
REMOTE	OAW-RAP3WN/RAP3WNP	1	2.4GHz	802.11b/g/n	2 x 2:2	16	Tunnel: 255; Other: 110	17 dBm/17 dBm	no	2 x 2.4 GHz omni	Yes	3 x FE
	OAW-RAP108/109	2	Dual concurrent	802.11a/b/g/n	2 x 2:2	16	Tunnel: 255; Other: 110	18 dBm/18 dBm	2 x DB (R AP108)	4 x omni (RAP109)	Yes	1 x GE + 1 x FE
	OAW-RAP155/155P	2	Dual concurrent	802.11a/b/g/n	2 x 2:2 (2.4 GHz) 3 x 3:3 (5 GHz)	16	Tunnel: 255; Other: 110	18 dBm/18 dBm	no	5 x omni	Yes	5 x GE

CATEGORY	Model	Jumbo frame support on uplink	USB host interface	Console port	PoE PD power	PoE PSE	DC power support	Ships with AC-to-DC adapter	Temperature range	Enclosure type	Enclosure volume (mm)	Weight (unit only)
INDOOR	OAW-AP93H	No	No	RJ-45	3af	No	12V	No	0C to +40C	Plastic/metal	130 x 143x 35	425 g
	OAW-AP103	No	No	Header	3af	No	12V	No	0C to +40C	Plastic	150 x 150x 41.5	300 g
	OAW-AP104/105	No	No	RJ-45	3af	No	12V	No	0C to +50C	Plastic/metal	132 x 135 x 45	300 g
	OAW-AP204/205	Yes	No	RJ-45	3af	No	12V	No	0C to +40C	Plastic/metal	150 x 150 x 41.5	380 g
	OAW-AP114/115	No	Yes	RJ-45	3af/3at	No	12V	No	0C to +50C	Plastic/metal	180 x 180 x 45	650 g
	OAW-AP134/135	No	No	RJ-45	3af	No	12V	No	0C to +50C	Plastic/metal	170 x 170 x 45	760 g
	OAW-AP224/225	Yes	Yes	RJ-45	3af/3at	No	12V	No	0C to +50C	Plastic/metal	203 x 203 x 54	750 g
REMOTE	OAW-RAP3WN/RAP3WNP	No	Yes	Header	No	No/802.3af	12V/48V	Yes	0C to +40C	Plastic	129 x 109 x 64	180 g
	OAW-RAP108/109	No	Yes	RJ-45	3af/at	No	12V	No	0C to +40C	Plastic	181 x 160 x 72	460 g
	OAW-RAP155/155P	No	Yes	Header	No	No/802.3at (1x) or 802.3af (2x)	12V/54V	Yes	0C to +40C	Plastic	185 x 245 x 65	700 g

CATEGORY	Model	with desk mount	Plenum rated	TAA/FIPS version available	Lifetime warranty	Minimum software version	Spectrum analysis support	Maximum power consumption	excluding USB	PoE PSE
INDOOR	OAW-AP93H	No	No	No	AOS-W 6.1.3.0	n/a	8 W (DC)	9 W (PoE)	10	n/a
	OAW-AP103	No	No	No	AOS-W 6.4.0.0	InstantOS 4.1.0.0	n/a	8 W (DC)	9.5 W (PoE)	10
	OAW-AP104/105	Yes	Yes	No	AOS-W 3.4.1.0(AP105) AOS-W6.1.3.0 (AP104)	InstantOS 2.0.0.3	n/a	10 W (DC)	12.5 W (PoE)	15
	OAW-AP204/205	Yes	No	No	AOS-W 6.4.1.0	InstantOS 4.2.0.0	n/a	11.7 W (DC)	12.5 W (PoE)	20
	OAW-AP114/115	Yes	Yes	No	AOS-W 6.3.1.0	InstantOS 4.0.0.0	n/a	12 W (DC)	13 W (PoE)	20
	OAW-AP134/135	Yes	Yes	No	AOS-W 6.1.1.0	InstantOS 2.0.0.3	n/a	12 W (DC)	13.5 W (PoE)	40
	OAW-AP224/225	Yes	Yes	No	AOS-W 6.3.0.0	InstantOS 4.0.0.0	n/a	15 W (DC)	12.5 W/15.5 W (PoE)	20
REMOTE	OAW-RAP3WN/RAP3WNP	No	Yes	No	AOS-W 6.1.4.0	InstantOS 3.0.0.0	4.0 W/5.5 W	n/a	20	n/a
	OAW-RAP108/109	No	Yes	No	AOS-W 6.2.0.0	InstantOS 3.2.0.0	n/a	12.5 W	n/a	20

Contact **offer.guide@alcatel-lucent.com** for more information

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CATEGORY	Model	with desk mount	Plenum rated	TAA/FIPS version available	Lifetime warranty	Minimum software version	Spectrum analysis support	Maximum power consumption	excluding USB	PoE PSE
	OAW-RAP155/155P	No	Yes	No	AOS-W 6.3.0.0	InstantOS 3.3.0.1	n/a	15.5 W	n/a	100