



OmniAccess Stellar Product Line Matrix

WLAN product & antenna comparison
guide

	AP1362			AP1361D	AP1361	AP1322		AP1321	AP1311	AP1301
WI-FI STANDARD	802.11ax - Wi-Fi 6 Retro-compatible					802.11ax - Wi-Fi 6 Retro-compatible		802.11ax - Wi-Fi 6 Retro-compatible		802.11ax - Wi-Fi 6 Retro-compatible
TYPE OF USE	Outdoor					Indoor		Indoor		Indoor
MAX THROUGHPUT	3 Gbps					3 Gbps		1,77 Gbps		1,77 Gbps
NB OF RADIOS	4 (incl. 1 for dedicated scanning & 1 BLE/Zigbee radio)					4 (incl. 1 for dedicated scanning & 1 BLE/Zigbee radio)		4 (incl. 1 for dedicated scanning & 1 BLE/Zigbee radio)		2
SUPPORT BANDS	2.4GHz & 5GHz					2.4GHz & 5GHz		2.4GHz & 5GHz		2.4GHz & 5GHz
RADIO MIMO TYPE	x4 Downlink & Uplink MU-MIMO simultaneous spatial streams					x4 Downlink & Uplink MU-MIMO simultaneous spatial streams		x2 Downlink MU-MIMO simultaneous spatial streams		x2 Downlink & Uplink MU-MIMO simultaneous spatial streams
OFDMA / OFDM	OFDMA					OFDMA		OFDMA		OFDMA
MAX NB OF SSIDs (per AP)	32					32		16		16
MAX NB OF ASSOCIATED CLIENTS (per AP)	1024					1024		512		512
MAX TRANSMIT POWER (per radio chain, MCS0, 2.54GHz/5GHz)	20dBm/20dBm					18dBm/18dBm		18dBm/18dBm		18dBm/18dBm
INTEGRATED ANTENNAS	✖	✔ Directional	✔ Omni			✖	✔ Omni	✔ Omni	✔ Omni	
ANTENNA PEAK GAIN (2.4 GHz / 5GHz)		7.5/7.4 dBI	4.85/6.48 dBI				3.61dBi/ 4.45dBi	3.3dBi/ 3.3dBi	3.3dBi/ 3.3dBi	
RF CONNECTORS (RF-SMA)	6 N-Type	✖			4 RP-SMA	✖		✖	✖	
TPM MODULE	✔					✔		✔		✖
NETWORK INTERFACES	2.5GE + 1 SFP port + 1GE (IoT)					1GE + 2.5GE		2x1GE + 1GE (IoT)		2x1GE
USB HOST INTERFACE	✖	✔ USB2.0 TypeC			✔ USB2.0 TypeA		✔ USB2.0 TypeC		✔ USB2.0 TypeC	
BLE or ZIGBEE	BLE 5.1/Zigbee Integrated					BLE 5.1/Zigbee Integrated		BLE 5.1 /Zigbee Integrated		✖
PoE POWERED	802.3bt/at					802.3at (max 18W)		802.3af/at		802.3af
PoE PSE	15.4W/30W					✖		✖		✖
DC POWER SUPPORT	✖					48V DC		48V DC (nominal)		48V DC (nominal)
OPERATING TEMP RANGE	-40°C to +65°C					0 to 50°C		0 to 45°C		0 to 45°C
ENCLOSURE VOLUME (mm)	243mm (W) X 243mm (D) X 85mm (H)					180 mm (W) x 180 mm (D) x 36 mm (H)		180 mm (W) x 180 mm (D) x 36 mm (H)		180 mm (W) x 180 mm (D) x 36 mm (H)
WEIGHT (excluding packing box & accessories)	2230 g					700 g		582 g		574 g
RATING	IP67					UL2043 (plenum rated)		UL2043 (plenum rated) : Under testing		UL2043 (plenum rated) : Under testing
DEEP PACKET INSPECTION	✔					✔		✔		✔
MAX POWER CONSUMPTION (excluding USB, PoE PSE)	70W					24.8 W		19.1 W		13.1 W
SHIPPED WITH MOUNTING KIT	✖To be ordered separately					✖To be ordered separately		✖To be ordered separately		✖To be ordered separately

	AP1251	AP1232	AP1231	AP1222	AP1221	AP1201H	AP1201	AP1101
WI-FI STANDARD	802.11ac - Wi-Fi 5 Retro-compatible	802.11ac - Wi-Fi 5 Retro-compatible		802.11ac - Wi-Fi 5 Retro-compatible		802.11ac - Wi-Fi 5 Retro-compatible		802.11ac - Wi-Fi 5 Retro-compatible
TYPE OF USE	Outdoor	Indoor		Indoor		Hospitality	Indoor	Indoor
MAX THROUGHPUT	1.3 Gbps	4.2 Gbps		2.1 Gbps		1.2 Gbps	1.3 Gbps	1.2 Gbps
NB OF RADIOS	2	4 (incl. 1 BLE radio)		2		2	3 (incl. BLE/Zigbee radio)	2
SUPPORT BANDS	2.4GHz & 5GHz	2.4GHz & 5GHz		2.4GHz & 5GHz		2.4GHz & 5GHz		2.4GHz & 5GHz
RADIO MIMO TYPE	x2 Downlink MU-MIMO simultaneous spatial streams	x4 Downlink MU-MIMO simultaneous spatial streams		x4 Downlink MU-MIMO simultaneous spatial streams		x2 Downlink MU-MIMO simultaneous spatial streams		SU-MIMO
OFDMA / OFDM	OFDM	OFDM		OFDM		OFDM		OFDM
MAX NB OF SSIDs (per AP)	16	24		16		16	32	16
MAX NB OF ASSOCIATED CLIENTS (per AP)	512	768		512		256	512	256
MAX TRANSMIT POWER (per radio chain, MCS0, 2.54GHz/5GHz)	20dBm/20dBm	18dBm/18dBm		18dBm/18dBm		14dBm/18dBm	18dBm/18dBm	17dBm/20dBm
INTEGRATED ANTENNAS	✓	✗	✓	✗	✓	✓		✓
ANTENNA PEAK GAIN (2.4 GHz / 5GHz)	8.46dBi/6.62dBi		4.38dBi/ 4.47dBi		3.61dBi/ 4.45dBi	4dBi/6.3dBi	4.7dBi/4.6dBi	3.43dBi/2.56dBi
RF CONNECTORS (RF-SMA)	✗	8	✗	4	✗	✗		✗
TPM MODULE	✓	✓		✓			✓	✗
NETWORK INTERFACES	1GE + 1GE (IoT)	1GE + 2.5GE		1GE		1GE uplink + 3GE downlink + 1pair RJ45 passthrough	1GE	1GE
USB HOST INTERFACE	✗	✓USB2.0 TypeA		✓USB2.0 TypeA		✓USB2.0 TypeA	✗	✗
BLE or ZIGBEE	✗	✓BLE		✗		✓BLE via USB dongle	✓BLE / ✓Zigbee	✗
PoE POWERED	802.3af (max 15W)	✓802.3at (max 60W)		✓802.3af (max 15W)		✓802.3af (max 15W)		802.3af (max 15W)
PoE PSE	✗	✗		✗		✓	✗	✗
DC POWER SUPPORT	✗	48V DC (nominal)		48V DC (nominal)		48V DC (nominal)		48V DC (nominal)
OPERATING TEMP RANGE	-40°C to +65°C	0 to 45°C		0 to 45°C		0 to 45°C		0 to 45°C
ENCLOSURE VOLUME (mm)	243mm (W) X 243mm (D) X 85mm (H)	230 mm (W) x 230 mm (D) x 47 mm (H)		180 mm (W) x 180 mm (D) x 36 mm (H)		95mm (W) x 34.45mm (D) x 161.5mm (H)	155 mm (W) x 155 mm (D) x 28 mm (H)	155 mm (W) x 155 mm (D) x 28 mm (H)
WEIGHT (excluding packing box & accessories)	2230 g	1400 g		700 g		239 g	310 g	270 g
RATING	IP67	UL2043 (plenum rated)		UL2043 (plenum rated)		UL2043 (plenum rated)		UL2043 (plenum rated)
DEEP PACKET INSPECTION	✓	✓		✓		✗	✓	✗
MAX POWER CONSUMPTION (excluding USB, PoE PSE)	11.8 W	27.6 W		15.6 W		12 W	11 W	10 W
SHIPPED WITH MOUNTING KIT	✓	✓		✓		✓	✓	✓

OmniAccess Stellar Access Point External Antennas Matrix

	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor
ANTENNA MODEL	ANT-O-6	ANT-O-M4-5	ANT-S-M4-60	ANT-S-M4-120	ANT-S-M4-30	ANT-O-M2-5	ANT-O-M4-9
CONFIGURATION	Omni Dual Band	Omni Dual Band	Sector Dual Band	Sector Dual Band	Sector 5GHz Band (37°)	Omni Dual Band	Omni Dual Band
GAIN	4dBi@2.4GHz 6dBi@5GHz	3.3dBi@2.4GHz 5.5dBi@5GHz	4.5dBi@2.4GHz 6dBi@5GHz	5dBi@2.4GHz 5dBi@5GHz	13dBi@5GHz	5dBi@2.4GHz 8dBi@5GHz	7.5dBi@2.4GHz, 9dBi@5GHz
3DB BEAM-WIDTH	H-Plane:360°	H-Plane:360°	H-Plane 60°, E-Plane 60°	H-Plane 120°, E-Plane 70°	H-Plane 37°, E-Plane 37°	Azimuth (Omni), Elavation (35°/25°)	Azimuth (Omni), Elavation (22°/11°)
POLARIZATION	Linear & Vertical	Linear, vertical & horizontal	Linear, vertical & horizontal	Double dual Slant ±45°	Vertical, Horizontal & Dual Slant (±45°)	Vertical & Horizontal	Vertical & Horizontal
CONNECTOR	RPSMA-J	RPSMA-J	RPSMA-J	RPSMA-J	RPSMA-J	2*N-Type Female	4*N-Type Female
CABLE	Direct Attach	RPSMA-J+086	SMA-J/RPSMA-J+086	SMA-J/RPSMA-J	SMA-J/RPSMA-J		
OPERATING TEMPERATURE	-10°C to 60°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 65°C	-40°C to 65°C	-40°C to 65°C
WORKING WITH AP1222	✔ Direct mount	✔ Typical used in indoor ceiling mount, Omni Wi-Fi coverage.	✔ Typical used in indoor wall mount, 60° directional Wi-Fi coverage.	✔ Typical used in indoor wall mount, 120° directional Wi-Fi coverage.	✔ Typical used in indoor wall mount, 13° directional high-gain coverage.	✘	✘
WORKING WITH AP1232	✔ Direct mount	✔ Typical 1*AP1232+ 2*ANT-O-M4-5, used in indoor ceiling mount, Omni Wi-Fi coverage.	✔ Typical 1*AP1232+ 2*ANT-S-M4-60, used in indoor wall mount, 60° directional Wi-Fi coverage.	✔ Typical 1*AP1232+ 2*ANT-S-M4-60, used in indoor wall mount, 120° directional Wi-Fi coverage.	✔ Typical 1*AP1232+ 2*ANT-S-M4-60, used in indoor wall mount, 13° directional high-gain .	✘	✘
WORKING WITH AP1322	✔ Direct mount	✔ Typical used in indoor ceiling mount, Omni Wi-Fi coverage.	✔ Typical used in indoor wall mount, 60° directional Wi-Fi coverage.	✔ Typical used in indoor wall mount, 120° directional Wi-Fi coverage.	✔ Typical used in indoor wall mount, 13° directional high-gain coverage.	✘	✘
WORKING WITH AP1362	✘	✘	✘	✘	✘	✔ AP1362 - 2.4GHz 2*2 MIMO Wi-Fi Coverage	✔ AP1362 - 5GHz 4*4 MIMO Wi-Fi Coverage

OmniAccess Stellar

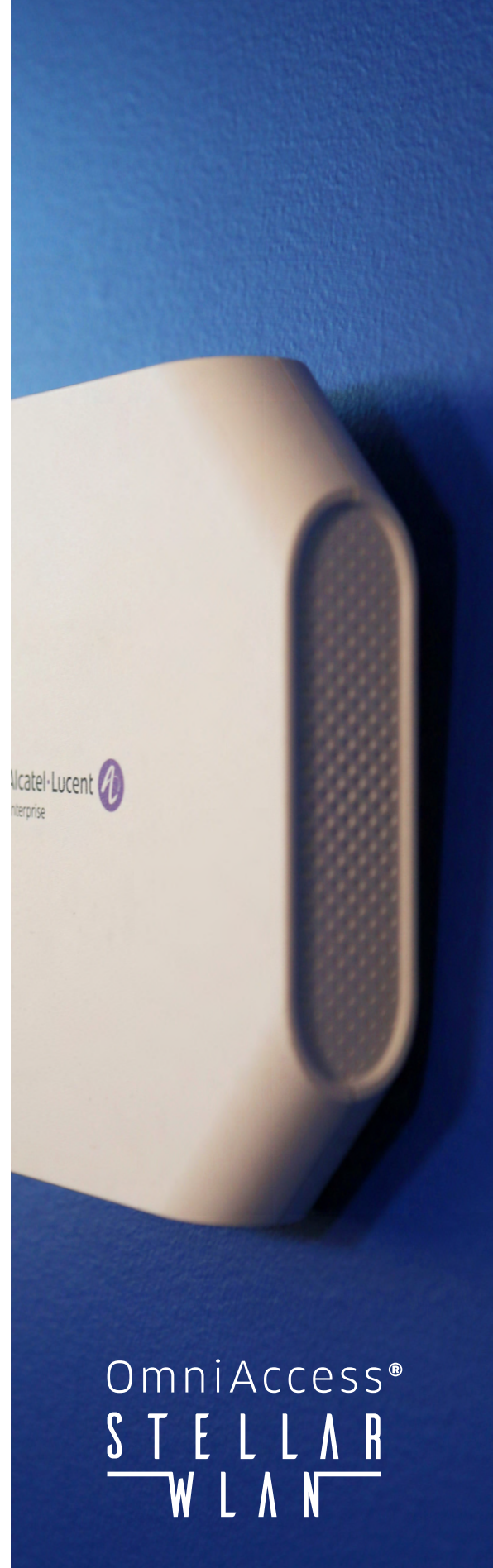
Based on Alcatel-Lucent
Enterprise unique distributed
WLAN control architecture

Alcatel-Lucent Enterprise OmniAccess
Stellar products **embed WLAN control in
access points** (APs) and eliminating the
need for physical centralised controllers.

ALE smart and advanced APs are
managed as a single system or cluster, in
a distributed and coordinated manner.

Distributed architecture from ALE
delivers the best performance and
scalability, and ensures high availability,
with operational simplicity and low Total
Cost of Ownership (TCO).

**Enterprise
grade Wi-Fi.
Operational
simplicity.**



OmniAccess®
STELLAR
WLAN