



OmniAccess Stellar Product Line Matrix

WLAN product & antenna comparison
guide

	AP 1362	AP 1361D	AP 1361	AP 1322	AP 1321	AP 1251	AP 1232	AP 1231	AP 1222	AP 1221	AP 1201H	AP 1201	AP 1101	
WI-FI STANDARD	802.11ax - Wi-Fi 6 Retro-compatible			802.11ax - Wi-Fi 6 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		802.11ac - Wi-Fi 5 Retro-compatible	
TYPE OF USE	Outdoor			Indoor		Outdoor	Indoor		Indoor		Indoor		Indoor	
MAX THROUGHPUT	3 Gbps			3 Gbps		1.3 Gbps	4.2 Gbps		2.1 Gbps		1.2 Gbps	1.3 Gbps	1.2 Gbps	
NB OF RADIOS	4 (incl. 1 for dedicated scanning & 1 BLE radio)			4 (incl. 1 for dedicated scanning & 1 BLE radio)		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		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	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	OFDMA			OFDMA		OFDM	OFDM		OFDM		OFDM		OFDM	
MAX NB OF SSIDs (per AP)	32			32		16	24		16		16	32	8	
MAX NB OF ASSOCIATED CLIENTS (per AP)	1024			1024		512	768		512		256	512	255	
MAX TRANSMIT POWER (per radio chain, MCSO, 2.54GHz/5GHz)	20dBm/20dBm			18dBm/18dBm		20dBm/20dBm	18dBm/18dBm		18dBm/18dBm		14dBm/18dBm	18dBm/18dBm	17dBm/20dBm	
INTEGRATED ANTENNAS	✗	✓ Directional	✓ Omni	✗	✓ Omni	✓	✗	✓	✗	✓	✓		✓	
ANTENNA PEAK GAIN (2.4 GHz / 5GHz)		7.5/7.4 dBi	4.85/6.48 dBi		3.61dBi/4.45dBi	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)	6 N-Type	✗		4 RP-SMA	✗	✗	8	✗	4	✗	✗		✗	
TPM MODULE	✓			✓		✓	✓		✓			✓	✗	
NETWORK INTERFACES	2.5GE + 1GE SFP + 1GE (IoT)			1GE + 2.5GE		1GE + 1GE (IoT)	1GE + 2.5GE		1GE		1GE uplink + 2GE downlink + 1pair RJ45 passthrough	1GE	1GE	
USB HOST INTERFACE	✗	✓		✓ USB2.0 TypeA		✗	✓ USB2.0 TypeA		✓ USB2.0 TypeA		✓ USB2.0 TypeA	✗	✗	
BLE or ZIGBEE	BLE 5.1 Integrated			BLE 5.1 Integrated		✗	✓ BLE		✗		✓ BLE via USB dongle	✓ BLE / ✓ Zigbee	✗	
PoE POWERED	802.3bt/at			802.3at (max 18W)		802.3af (max 15W)	✓ 802.3at (max 60W)		✓ 802.3af (max 15W)		✓ 802.3af (max 15W)		802.3af (max 15W)	
PoE PSE	15.4W/30W			✗		✗	✗		✗		✓	✗	✗	
DC POWER SUPPORT				48V DC			48V DC (nominal)		48V DC (nominal)		48V DC (nominal)		48V DC (nominal)	
OPERATING TEMP RANGE	-40°C to +65°C			0 to 50°C		-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)			180 mm (W) x 180 mm (D) x 36 mm (H)		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			700 g		2230 g	1400 g		700 g		239 g	310 g	270 g	
RATING	IP67			UL2043 (plenum rated)		IP67	UL2043 (plenum rated)		UL2043 (plenum rated)		UL2043 (plenum rated)		UL2043 (plenum rated)	
DEEP PACKET INSPECTION	✓			✓		✓	✓		✓		✗	✓	✗	
MAX POWER CONSUMPTION (excluding USB, PoE PSE)	70W			18 W		11.8 W	27.6 W		15.6 W		12 W	11 W	10 W	
SHIPPED WITH MOUNTING KIT	✗To be ordered separately			✗To be ordered separately		✓	✓		✓		✓	✓	✓	

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

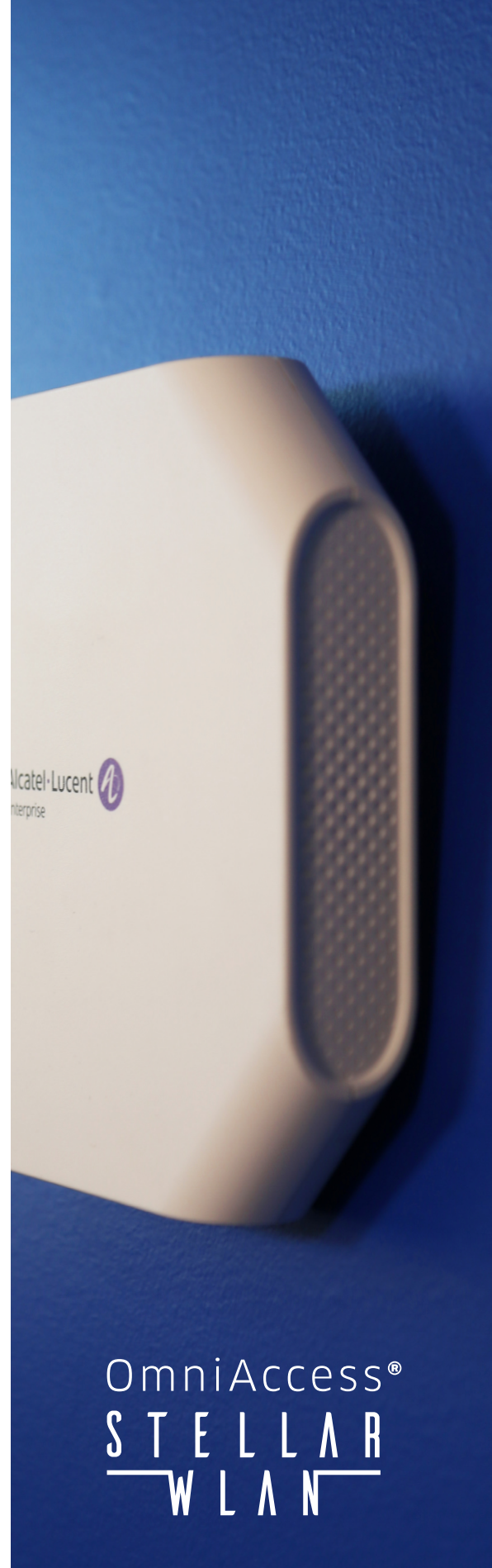
Based on Alcatel-Lucent Enterprise unique distributed WLAN control architecture

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