



# OmniAccess Stellar Product Line Matrix

WLAN product & antenna comparison  
guide

	AP1362	AP1361D	AP1361	AP1351	AP1322	AP1321	AP1311	AP1301
<b>WI-FI STANDARD</b>	<b>802.11ax - Wi-Fi 6</b> Retro-compatible			<b>802.11ax - Wi-Fi 6</b> Retro-compatible	<b>802.11ax - Wi-Fi 6</b> Retro-compatible		<b>802.11ax - Wi-Fi 6</b> Retro-compatible	<b>802.11ax - Wi-Fi 6</b> Retro-compatible
<b>TYPE OF USE</b>	<b>Outdoor</b>			<b>Indoor</b>	<b>Indoor</b>		<b>Indoor</b>	<b>Indoor</b>
<b>MAX THROUGHPUT</b>	<b>3 Gbps</b>			<b>10 Gbps</b>	<b>3 Gbps</b>		<b>1,77 Gbps</b>	<b>1,77 Gbps</b>
<b>NB OF RADIOS</b>	<b>4</b> (incl. 1 for dedicated scanning & 1 BLE/Zigbee radio)			<b>5</b> (incl. 1 for dedicated scanning & 1 BLE/Zigbee radio)	<b>4</b> (incl. 1 for dedicated scanning & 1 BLE/Zigbee radio)		<b>4</b> (incl. 1 for dedicated scanning & 1 BLE/Zigbee radio)	<b>2</b>
<b>SUPPORT BANDS</b>	2.4GHz & 5GHz				2.4GHz & 5GHz		2.4GHz & 5GHz	2.4GHz & 5GHz
<b>RADIO MIMO TYPE</b>	<b>x4</b> <b>Downlink &amp; Uplink MU-MIMO</b> simultaneous spatial streams			<b>x8</b> <b>Downlink &amp; Uplink MU-MIMO</b> simultaneous spatial streams	<b>x4</b> <b>Downlink &amp; Uplink MU-MIMO</b> simultaneous spatial streams		<b>x2</b> <b>Downlink &amp; Uplink MU-MIMO</b> simultaneous spatial streams	<b>x2</b> <b>Downlink &amp; Uplink MU-MIMO</b> simultaneous spatial streams
<b>OFDMA / OFDM</b>	<b>OFDMA</b>			<b>OFDMA</b>	<b>OFDMA</b>		<b>OFDMA</b>	<b>OFDMA</b>
<b>MAX NB OF SSIDs</b> (per AP)	<b>32</b>			<b>24</b>	<b>32</b>		<b>16</b>	<b>16</b>
<b>MAX NB OF ASSOCIATED CLIENTS</b> (per AP)	<b>1024</b>			<b>1536</b>	<b>1024</b>		<b>512</b>	<b>512</b>
<b>MAX TRANSMIT POWER</b> (per radio chain, MCSO, 2.4GHz/5GHz)	20dBm/20dBm			18dBm/18dBm	18dBm/18dBm		18dBm/18dBm	18dBm/18dBm
<b>INTEGRATED ANTENNAS</b>	<b>x</b>	<b>✓</b> Directional	<b>✓</b> Omni	<b>✓</b> Omni	<b>x</b>	<b>✓</b> Omni	<b>✓</b> Omni	<b>✓</b> Omni
<b>ANTENNA PEAK GAIN</b> (2.4 GHz / 5GHz)		7.5/7.4 dBi	4.85/6.48 dBi	3.9/3.9 dBi		3.61dBi/4.45dBi	3.3dBi/3.3dBi	3.3dBi/3.3dBi
<b>RF CONNECTORS</b> (RF-SMA)	6 N-Type	<b>x</b>		<b>x</b>	4 RP-SMA	<b>x</b>	<b>x</b>	<b>x</b>
<b>TPM MODULE</b>	<b>✓</b>			<b>✓</b>	<b>✓</b>		<b>✓</b>	<b>x</b>
<b>NETWORK INTERFACES</b>	2.5GE + 1 SFP port + 1GE (IoT)			2 X 1/2.5/5/10GE	1GE + 2.5GE		2x1GE + 1GE (IoT)	2x1GE
<b>USB HOST INTERFACE</b>	<b>x</b>	<b>✓</b> USB2.0 TypeC		<b>✓</b> USB3.0 TypeA	<b>✓</b> USB2.0 TypeA		<b>✓</b> USB2.0 TypeC	<b>✓</b> USB2.0 TypeC
<b>BLE or ZIGBEE</b>	<b>BLE 5.1/Zigbee Integrated</b>			<b>BLE 5.1/Zigbee Integrated</b>	<b>BLE 5.1/Zigbee Integrated</b>		<b>BLE 5.1 /Zigbee Integrated</b>	<b>x</b>
<b>PoE POWERED</b>	802.3bt/at			802.3bt	802.3at (max <b>18W</b> )		802.3af/at	802.3af
<b>PoE PSE</b>	15.4W/30W			<b>x</b>	<b>x</b>		<b>x</b>	<b>x</b>
<b>DC POWER SUPPORT</b>	<b>x</b>			48V DC (nominal)	48V DC		48V DC (nominal)	48V DC (nominal)
<b>OPERATING TEMP RANGE</b>	-40°C to +65°C			0 to 45°C	0 to 50°C		0 to 45°C	0 to 45°C
<b>ENCLOSURE VOLUME</b> (excluding packing box & accessories)	243mm (W) X 243mm (D) X 85mm (H)			260mm (W) X 260mm (D) X 60mm (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)
<b>WEIGHT</b> (excluding packing box & accessories)	2230 g			1200 g	700 g		582 g	574 g
<b>RATING</b>	IP67			UL2043 (plenum rated) : Under testing	UL2043 (plenum rated)		UL2043 (plenum rated) : Under testing	UL2043 (plenum rated)
<b>DEEP PACKET INSPECTION</b>	<b>✓</b>			<b>✓</b>	<b>✓</b>		<b>✓</b>	<b>✓</b>
<b>MAX POWER CONSUMPTION</b> (excluding USB, PoE PSE)	<b>70W</b>			<b>50 W</b>	<b>24.8 W</b>		<b>19.1 W</b>	<b>13.1 W</b>
<b>SHIPPED WITH MOUNTING KIT</b>	<b>x</b> To be ordered separately			<b>x</b> To be ordered separately	<b>x</b> To be ordered separately		<b>x</b> To be ordered separately	<b>x</b> To be ordered separately

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

# OmniAccess Stellar Access Point External Antennas Matrix

	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor
<b>ANTENNA MODEL</b>	<b>ANT-O-6</b>	<b>ANT-O-M4-5</b>	<b>ANT-S-M4-60</b>	<b>ANT-S-M4-120</b>	<b>ANT-S-M4-30</b>	<b>ANT-O-M2-5</b>	<b>ANT-O-M4-9</b>	<b>ANT-S-M6-60-9</b>	<b>ANT-O-M6-6</b>
<b>CONFIGURATION</b>	Omni Dual Band	Omni Dual Band	Sector Dual Band	Sector Dual Band	Sector 5GHz Band (37°)	Omni Dual Band	Omni Dual Band	Sector Dual Band (60°)	Omni Dual Band
<b>GAIN</b>	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	9dBi±1dBi@2.4GHz, 9dBi±1dBi@5GHz	6dBi@2.4GHz, 8dBi@5GHz
<b>3DB BEAM-WIDTH</b>	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), Elevation (35°/25°)	Azimuth (Omni), Elevation (22°/11°)	H-Plane: 65±10°, V-Plane: 35±10°	H-Plane: 360°
<b>POLARIZATION</b>	Linear & Vertical	Linear, Vertical & Horizontal	Linear, Vertical & Horizontal	Double dual Slant ±45°	Vertical, Horizontal & Dual Slant (±45°)	Vertical & Horizontal	Vertical & Horizontal	Vertical & Horizontal	Linear, Vertical & Horizontal
<b>CONNECTOR</b>	RPSMA-J	RPSMA-J	RPSMA-J	RPSMA-J	RPSMA-J	2*N-Type Female	4*N-Type Female	6*N-Type Female	6*N-Type Female
<b>CABLE</b>	Direct Attach	RPSMA-J+086	SMA-J/RPSMA-J+086	SMA-J/RPSMA-J	SMA-J/RPSMA-J				
<b>OPERATING TEMPERATURE</b>	-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	-40°C to 65°C	-40°C to 65°C
<b>WORKING WITH AP1222</b>	✓ Direct mount	✓ Typically used in indoor ceiling mount, Omni Wi-Fi coverage.	✓ Typically used in indoor wall mount, 60° directional Wi-Fi coverage.	✓ Typically used in indoor wall mount, 120° directional Wi-Fi coverage.	✓ Typically used in indoor wall mount, 13° directional high-gain coverage.	✗	✗	✗	✗
<b>WORKING WITH AP1232</b>	✓ Direct mount	✓ Typically 1*AP1232+ 2*ANT-O-M4-5, used in indoor ceiling mount, Omni Wi-Fi coverage.	✓ Typically 1*AP1232+ 2*ANT-S-M4-60, used in indoor wall mount, 60° directional Wi-Fi coverage.	✓ Typically 1*AP1232+ 2*ANT-S-M4-60, used in indoor wall mount, 120° directional Wi-Fi coverage.	✓ Typically 1*AP1232+ 2*ANT-S-M4-60, used in indoor wall mount, 13° directional high-gain.	✗	✗	✗	✗
<b>WORKING WITH AP1322</b>	✓ Direct mount	✓ Typically used in indoor ceiling mount, Omni Wi-Fi coverage.	✓ Typically used in indoor wall mount, 60° directional Wi-Fi coverage.	✓ Typically used in indoor wall mount, 120° directional Wi-Fi coverage.	✓ Typically used in indoor wall mount, 13° directional high-gain coverage.	✗	✗	✗	✗
<b>WORKING WITH AP1362</b>	✗	✗	✗	✗	✗	✓ AP1362 - 2.4GHz 2*2 MIMO Wi-Fi Coverage.	✓ AP1362 - 5GHz 4*4 MIMO Wi-Fi Coverage.	✓ AP1362 - 2.4GHz 2*2 MIMO + 5GHz 4*4 MIMO Wi-Fi Coverage.	✓ AP1362 - 2.4GHz 2*2 MIMO + 5GHz 4*4 MIMO Wi-Fi Coverage.

# OmniAccess Stellar

Based on Alcatel-Lucent  
Enterprise distributed WLAN  
control architecture

Alcatel-Lucent Enterprise OmniAccess Stellar products **embed WLAN control in all access points** (APs) 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.**

