

Aruba Indoor Antenna Product Matrix



AP-ANT-45



AP-ANT-40



AP-ANT-1w

<i>Ideal location</i>	Indoor Wall mounted to transmit into a defined area e.g. lecture hall	Indoor Ceiling mounted to cover large space (Emulates properties of ceiling mounted AP whilst hiding the AP)*	Indoor. Direct mount to AP Good at horizontal and vertical penetration
<i>Type</i>	4x4 MIMO directional	3x3 MIMO omni-downtilt*	4x4 MIMO omnidirectional
<i>Wireless Radio Supported (Gain)</i>	Dual band: 2.4–2.5 GHz (4.5 dBi) 4.9–5.875 GHz (5.5 dBi)	Dual band: 2.4 GHz - 2.5 GHz (4dBi) 4.9 GHz - 6GHz (5dBi)	Dual band: 2.4 GHz -2.5 GHz (3.8dBi) 4.9 GHz - 5.875 GHz (5.8dBi)
<i>Annual rental cost (cost in credits)</i>	£45 (9)	£40 (8)	Included with AP cost where applicable
<i>Mounting</i>	Wall or pole mount with mount kit**	Ceiling	Direct to AP
<i>AP Suitability</i>	AP-314 AP-324	AP-314 AP-324	AP-304 (requires 3) AP-314 (requires 4) AP-324 (requires 4)
<i>Dimensions (mm)</i>	200 x 20 x 40	172 (d) x 32 (h)	127 x 39 x 19
<i>Beamwidth (Degrees)</i>	E-plane: 2.4 GHz: 90 5 GHz: 90 H-plane: 2.4 GHz: 90 5 GHz: 90	E-plane: 2.4GHz: 100 5GHz: 100 40 degrees downtilt H-plane: 2.4GHz: 360 (omnidirectional) 5 GHz: 360 (omnidirectional)	E-plane: 2.4 GHz: 50 5 GHz: 25 H-plane: 2.4 GHz: 360 (omnidirectional) 5 GHz: 360 (omnidirectional)
<i>Connectors</i>	4 x RP-SMA/m pigtail cable	4 x RP-SMA/m pigtail cable	1 x RP-SMA/m direct mount on each

* An example use scenario would be where it is desirable to hide the access point behind a false ceiling with only the antenna visible below. Note that this antenna requires a 2.5cm hole in the ceiling tile to enable attachment of the antenna cable. Also, the access point will require passive air cooling and access for maintenance should also be considered in this scenario.

** Requires mount kit AP-ANT-MNT-5

www.uis.cam.ac.uk/wireless



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