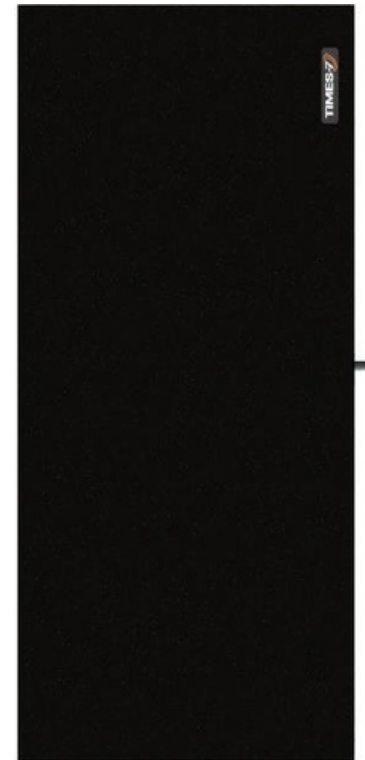


Reference Guide

Differences between the
A6034 & A5060 antenna

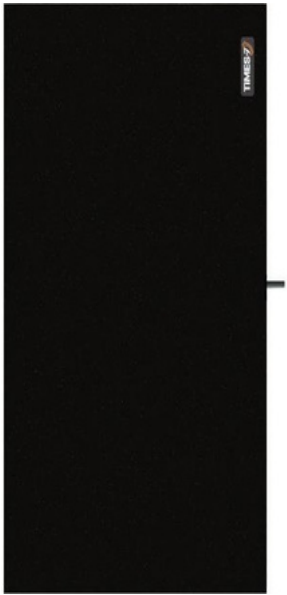
A5060



A6034



Same foot print



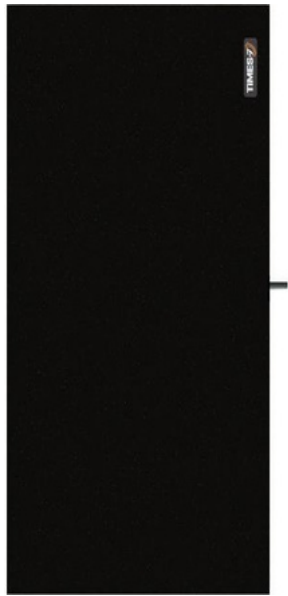
A5060



A6034

A6034 and **A5060** may look similar both physically and electrically but they have subtle differences with distinguishing features.

Parametric Similarities



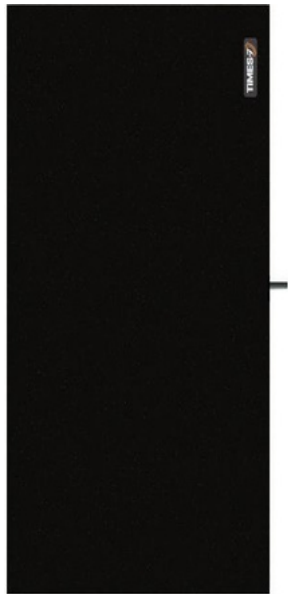
A5060



A6034

- Circularly polarized antennas
- Side cable with SMA connector
- Operating temperature ranges between -20 °C (-4°F) and +55 °C (131°F)
- Radiation patterns are asymmetric, with wide and narrow patterns
- 25 dB front-to-back ratio
- Can be flush and rack-mounted using the four corner mounting holes or a VESA mounting adapter
- IP 65 rated
- Smart electrical design protects RFID readers from environmental RF reflections

Parametric differences



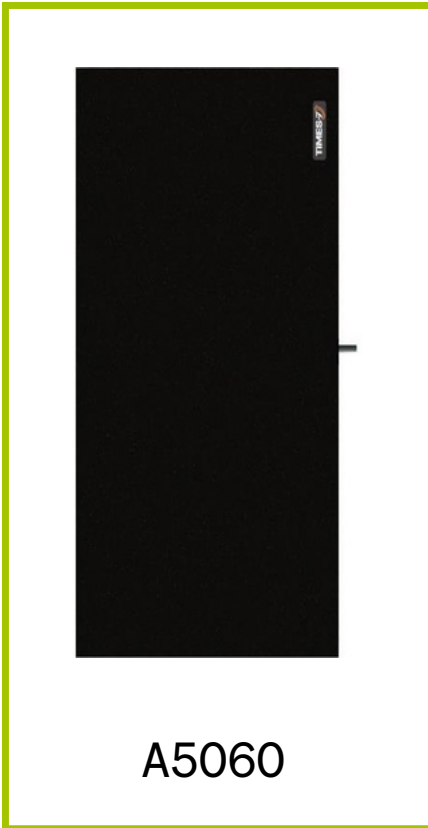
A5060



A6034

Features	A6034	A5060
Gain	9 dBiC	10.5 dBiC
Beam width	25° along its length and 81° across its length	25° along its length and 60° across its length
Patch array	Sparsely packed 4 patch array	Densely packed 8 patch array
Antenna dimensions	747 mm (29.4") long, 314 mm (12.4") wide and 12 mm (0.5") thick	600 mm (23.6") long, 300 mm (11.8") wide and 8 mm (0.3") thick
Packaging dimensions	770 mm (30.3") long, 360 mm (14.1") wide and 35 mm (1.4") thick	620 mm (24.4") long, 335 mm (13.1") wide and 30 mm (1.2") thick
Weight	2.2 kgs (4.9 lbs)	1.5 kgs (3.3 lbs)

When to use the A5060



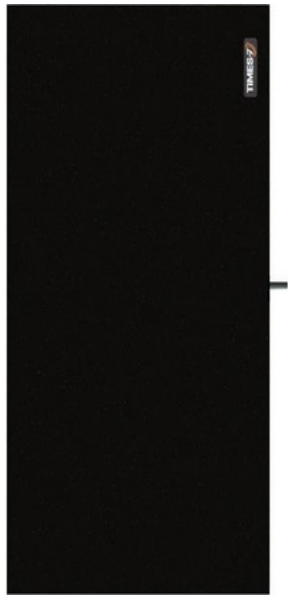
A5060



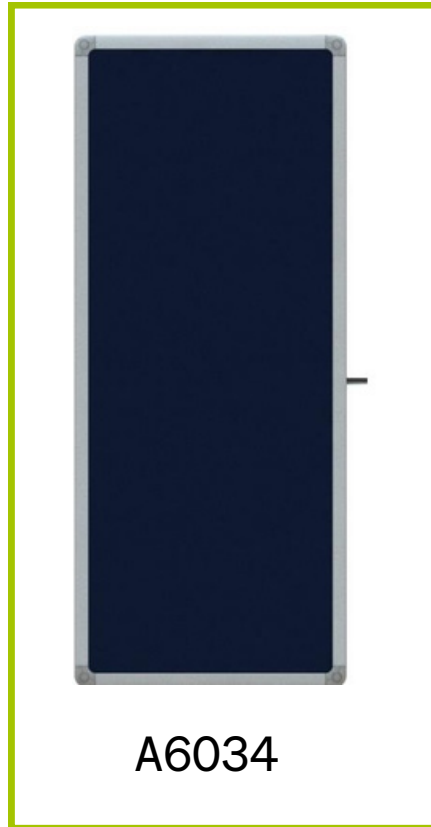
A6034

- Read high-density assets
- For higher read accuracy due to cable losses or limited available RFID reader power
- Read tags from a long distance
- Read a lot of metal assets: 8 patch arrays (A5060) are better than the 4 patch arrays (A6034)
- When the A 6034 is too big for your solution (770 x 330mm)
- When you cannot rotate the antenna, but I want to limit the stray reads (narrower beam of 60° along the YZ plane)

When to use the A6034



A5060



A6034

- When the reader can compensate for the power losses in long cables, and you don't need a high gain antenna
- For less dense asset tracking applications
- When you need a wider beam width to achieve a wider read zone, such as wide hallways in hospitals, wide gates inside a warehouse etc...
- If you prefer to use the same family of antennas (picture frames: A6031 or A6032 for aesthetic reasons).

Still in doubt?



Contact sales@times7.com
and we will help you select the
right antenna for your
application