T610/T610s Mounting Bracket Accessory Kit

Quick Setup Guide

This *Quick Setup Guide* provides step-by-step instructions on how to field-install the Ruckus Wireless T610 access point (AP) using the T610/T610s Mounting Bracket Accessory Kit (part number 902-0125-0000).

The T610/T610s Mounting Bracket Accessory Kit includes two different length Linkage Brackets, one for T610 (omni antenna version) and one for T610s (sector antenna). If you are installing a T610, use the longer linkage bracket (175 mm). If you are installing a T610s, use the shorter (100 mm) linkage bracket.

For detailed information on planning the installation, performing a site survey, and operating the AP, refer to the *ZoneFlex Outdoor Access Point User Guide*, available at https://support.ruckuswireless.com.

Package Contents

A complete T610/T610s Mounting Bracket Accessory Kit includes all of the items listed below:

- Mounting Bracket Hardware Kit (includes the following):
  - Bolt, M8 x 1.25, 50 mm long, SS (2)
  - Washer, Spring Lock, SS, DIN 127B, M8 (2)
  - Washer, Flat, SS, DIN 125A, M8 (2)
  - Clamp, Pipe, 1.5 in. to 2.5 in., +/-0.1 in. ID., SUS304 SST(4)
  - Washer, Serrated External Tooth, Lock, M8, SST (2)
  - Washer, .250, Split Lock, 18-8 SS (8)
  - Washer, .250, Flat, 8-18 SS (8)
  - Bolt, .250-28 x .50"L, Hex Head, SS (8)
- U Joint Bracket, Aluminum, 3mm thick
- Wall Mount Bracket, Aluminum, 3mm thick
- AP Bracket, Aluminum, 3mm thick
- 2 Linkage Brackets (100 mm, 175 mm length):
  - For T610, use the 175 mm bracket;
  - For T610s, use the 100 mm bracket
- Safety Cable Kit
- This *Quick Setup Guide*

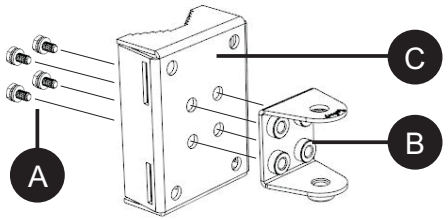
Required Hardware and Tools

- 1/2” (13mm) flat-blade screwdriver or equivalent
- No. 2 Phillips screwdriver
- Torque wrench or torque screwdriver with sockets
- Pipe or pole --OR-- a sturdy flat surface
- Electric drill with drill bits and customer-supplied wall anchors, flat washers, and hex nuts for flat-surface mount
- Ruler

Step 1: Attach the U-Joint Bracket to the Mounting Bracket

1 Position the U-joint bracket on the mounting bracket.

Figure 1: U-joint bracket attached horizontally to the mounting bracket



NOTE: *Mount the U-joint bracket in any direction on the mounting bracket, preferably to allow AP azimuth adjustments. Then the AP bracket allows AP elevation adjustments.*

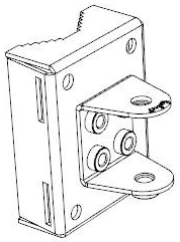
2 Use four 1/4-28 bolt and washer sets (A) to mount the U-joint bracket (B) to the mounting bracket (C). Tighten the bolts to 9.5 N.m (7 ft-lbs).

3 Continue with Step 2a: Attach the Mounting Bracket to a Flat Surface or Step 2b: Attach the Mounting Bracket to a Metal Pole.

Step 2a: Attach the Mounting Bracket to a Flat Surface

1 Place the mounting bracket at the location on the flat surface where you want to mount the AP. Use the holes on the mounting bracket as a template to mark the locations of the mounting holes.

Figure 2: Mounting bracket flat surface holes



2 Remove the mounting bracket from the flat surface.

3 Drill holes required for the mounting hardware.

NOTE: *The hardware required for mounting to a wall is not included in the mounting kit.*

4 Attach the mounting bracket to the flat surface using the mounting hardware.

5 Using the mounting hardware instructions, tighten the hardware to secure the mounting bracket.

6 Continue with Step 3: Mount the Linkage Bracket to the U-Joint Bracket.

Step 2b: Attach the Mounting Bracket to a Metal Pole

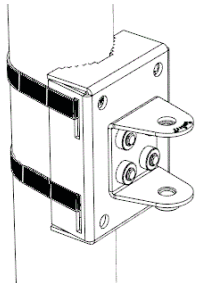
1 Insert the open end of one steel clamp into the upper two slots on the mounting bracket.

2 Take the other steel clamp and insert it into the lower two slots on the mounting bracket.

NOTE: *The clamps can be daisy-chained together to accommodate larger poles.*

3 Use the clamps to attach the mounting bracket to the pole. Tighten the clamps to 3 N.m or 27 in-lbs, or per manufacturer’s specifications.

Figure 3: Attaching the mounting bracket to a vertical pole



4 Continue with Step 3: Mount the Linkage Bracket to the U-Joint Bracket.

Step 3: Mount the Linkage Bracket to the U-Joint Bracket

NOTE: *If you are mounting a T610 (omni), use the longer (175 mm) linkage bracket. If you are mounting a T610s, use the shorter (100 mm) linkage bracket.*

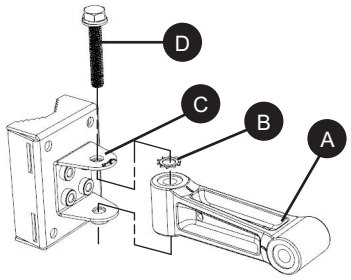
The linkage bracket attaches to the U-joint bracket using an M8 bolt and washer set. The linkage bracket is symmetrical, and either end can be attached to the U-joint bracket.

NOTE: *Make sure that linkage bracket is installed with its serrated external-tooth lock washer on the inside of the U-joint bracket flanges. This ensures that the azimuth adjustment does not change.*

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1 Loosely assemble the linkage bracket (A), the U-joint bracket (C), one serrated external-tooth lock washer (B), and one M8 bolt and washer set (D).

Figure 4: Attaching the linkage bracket to the U-joint bracket



2 Set the azimuth required by the AP.
3 Tighten the M8 bolt to 13.6 N-m (10 ft-lbs).
4 Continue with Step 4: Attach the AP bracket to the linkage bracket.

Step 4: Attach the AP bracket to the linkage bracket

NOTE: *If you are mounting a T610 (omni), use the longer (175 mm) linkage bracket. If you are mounting a T610s, use the shorter (100 mm) linkage bracket.*

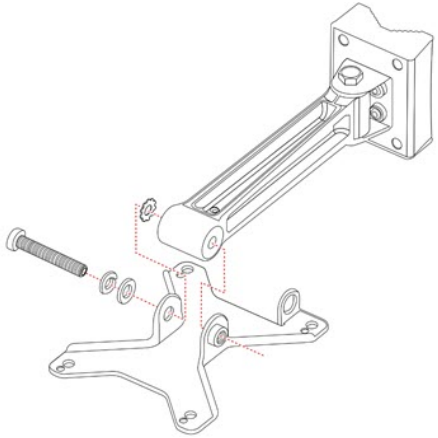
Attach the AP bracket to the linkage bracket using the included bolt, nut, lock washer, flat washer, serrated external-tooth washer shown in Figure 5.

The AP bracket attaches to the linkage bracket using an M8 bolt and washer set. The linkage bracket is symmetrical, and either end can be attached to the AP bracket.

NOTE: *Make sure that the linkage bracket is installed with its serrated external-tooth lock washer on the inside of the AP bracket flanges. This ensures that the elevation adjustment does not change.*

1 As described in Step 3: Mount the Linkage Bracket to the U-Joint Bracket, loosely assemble the AP bracket (shown in Figure 6), the linkage bracket (A in Figure 4), the second serrated external-tooth lock washer (B in Figure 4), and the second M8 bolt and washer set (D in Figure 4).

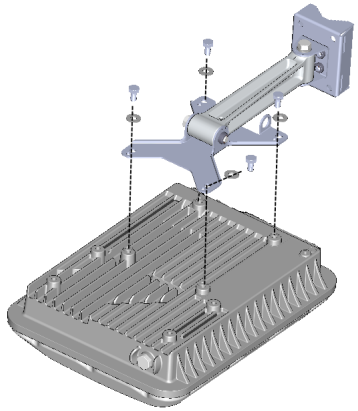
Figure 5: Attach the linkage bracket to the AP bracket



Step 5: Attach the AP Bracket to the Access Point

1 Place the AP bracket onto the back side of the AP so that the four larger screw holes on the bracket align with the four screw holes on the AP. Make sure that the end of the AP bracket with the hoisting loop is on the same side as the AP **PoE IN** port.

Figure 6: Attaching the AP bracket to the AP



2 Use four 0.5-inch x 0.250-28 hex bolts with split lock and flat washer sets to mount the AP bracket to the AP. Tighten the bolts to 2.5-3.0 N.m or 22-27 in-lbs.

CAUTION: *Make sure that the screws are no longer than 0.5 inch. If a screw is longer than 0.5 inch, it can damage the AP chassis.*

3 If required, suspend the AP by attaching a carabiner to the hoisting loop on the AP bracket.

NOTE: *This kit may include extra screws, nuts and washers. You may use the extras wherever required.*

4 Continue with Step 6: Set the Elevation and Tighten Elevation Bolt.

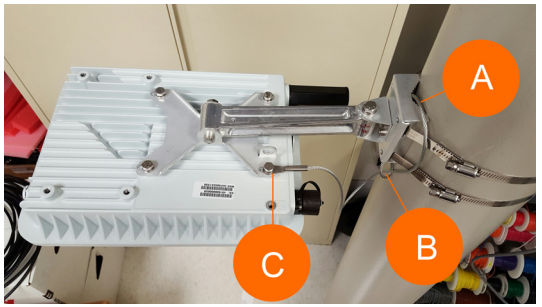
Step 6: Set the Elevation and Tighten Elevation Bolt

1 Set the elevation required by the AP.
2 Tighten the M8 bolt to 13.6 N-m (10 ft-lbs).

Step 7: Install the Security Cable

1 Thread the security cable through the mounting bracket (A) and through the eye on the cable itself (B), as shown in Figure 7.
2 Attach the safety cable to the AP (C) in Figure 7.

Figure 7: Attaching the security cable



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