Conveyor Tunnel Installation Guide

Table of Contents

Conveyor Tunnel Installation Guide 1
Recommended Tools: 3
Included Hardware: 3
Step 1: 4
Step 2: 5
Step 3: 6
Step 4: 7
Step 6: 9
Step 7: 10
Step 8: 11
Step 9: 12
Step 10: 13
Step 11: 14

Recommended Tools:

- 7/16” Socket Driver and Box Wrench
- 3/8” Socket Driver and Box Wrench
- 9/16” Socket Driver and Box Wrench
- T25 Bit
- Drill and Impact Driver

Included Hardware:

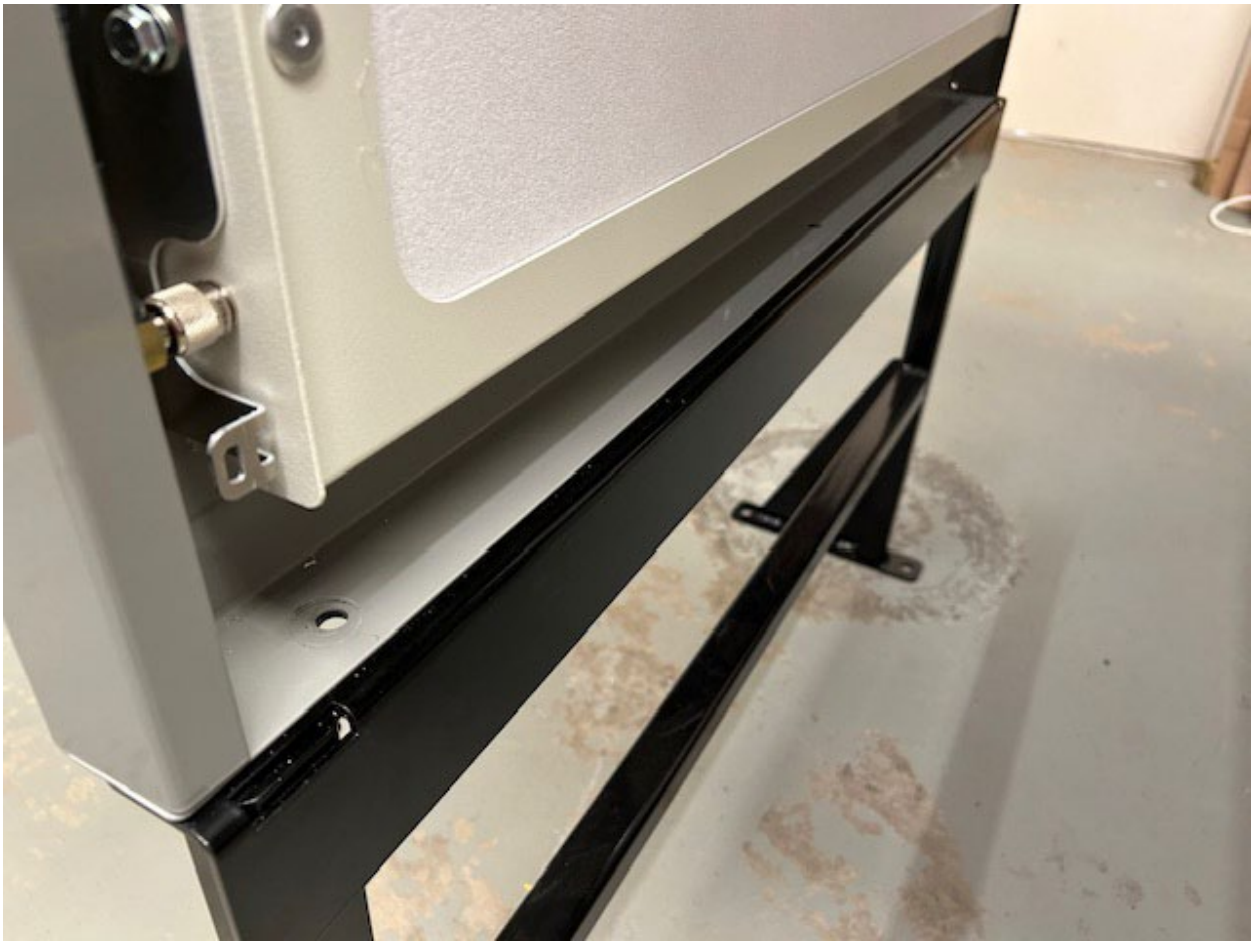
- Tunnel
- Tunnel legs:
  - (6) 3/8” -16 7/8” Long hex head screws
  - (12) Washers
  - (6) 3/8” Lock nuts
- (4) FLEXANTENNA SLIM PORTALS
  - (16) ¼”-20 ½” Long hex head screws
- (4) 6’ CA240 RF Cables
- Industrial computer in Housing
  - Ethernet cable
  - Power cable
- Light Tower
- GPIO Wiring Harness (Reader Specific)

Step 1:

- Remove the (4) T25 screws from the legs and remove them from the pallet.

Step 2:

- Remove the (4) T25 screws from the tunnel body and remove it from the pallet.



Step 3:

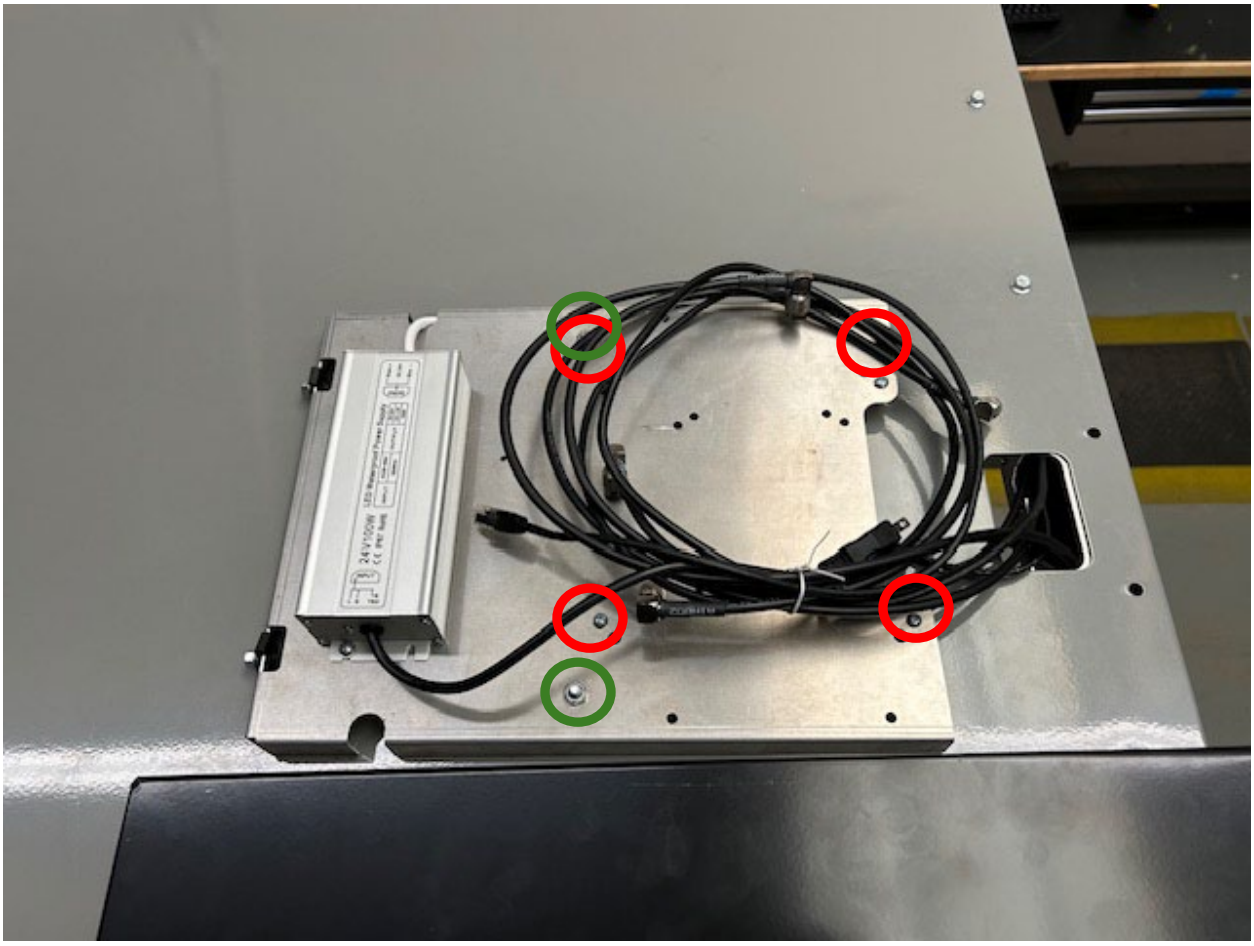
- At your desired location, place the legs of the tunnel and stack the tunnel body on top.

Step 4:

- Secure the tunnel body to its legs using (6) of the (3/8”-16 7/8” long) bolts, 3/8” washers, and (3/8”-16) lock nuts. Tool: 9/16” Socket or Box Wrench.
- Secure the legs to the floor using (8) floor screws
- If installing it on a concrete floor, use (8) Concrete Anchors (1/2” x 4” long). Tool: 3/4" Impact drive. * Floor screws and Concrete anchors not included. *

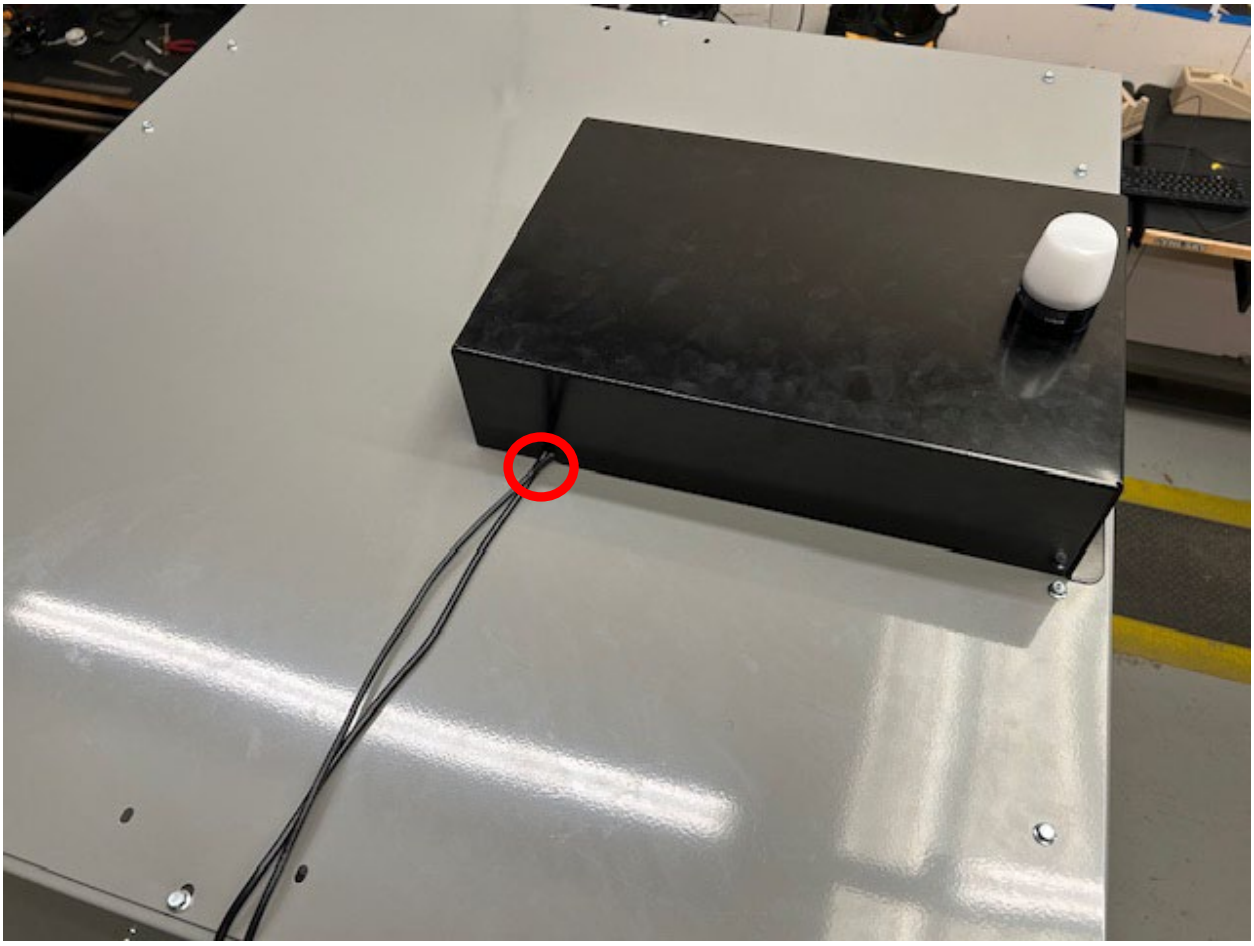
Step 5:

- Remove the (4) screws from the black electronics box
- Lift the box off the tunnel



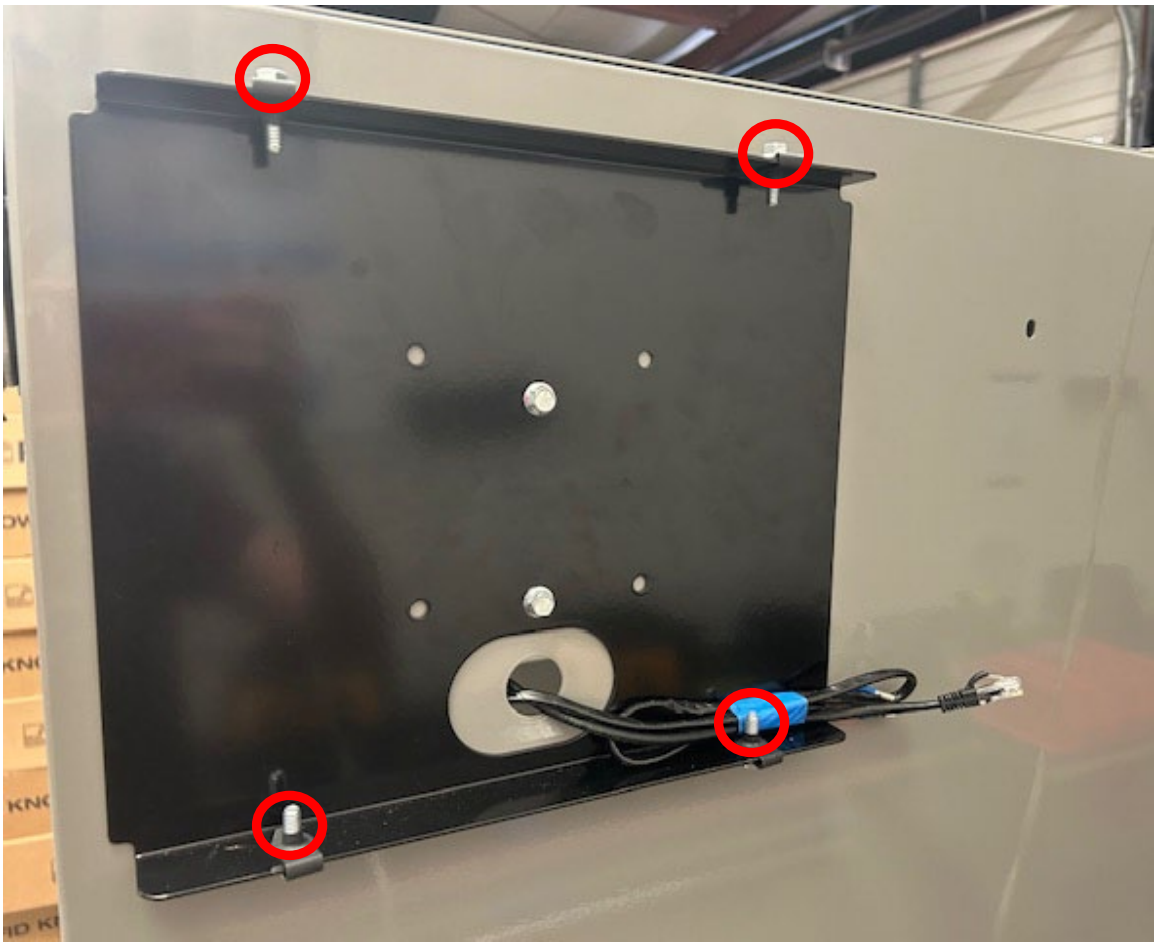
Step 6:

- Loosen the cable tie and separate the wires
- For easier install, the electronics plate can be removed by loosening the nuts (green)
- Install your reader to the electronics plate with the included screws (red)
- Attach GPIO connecter and antenna cables
- Secure Light Tower to top hole in electronics box and connect to the grey cable on the GPIO harness



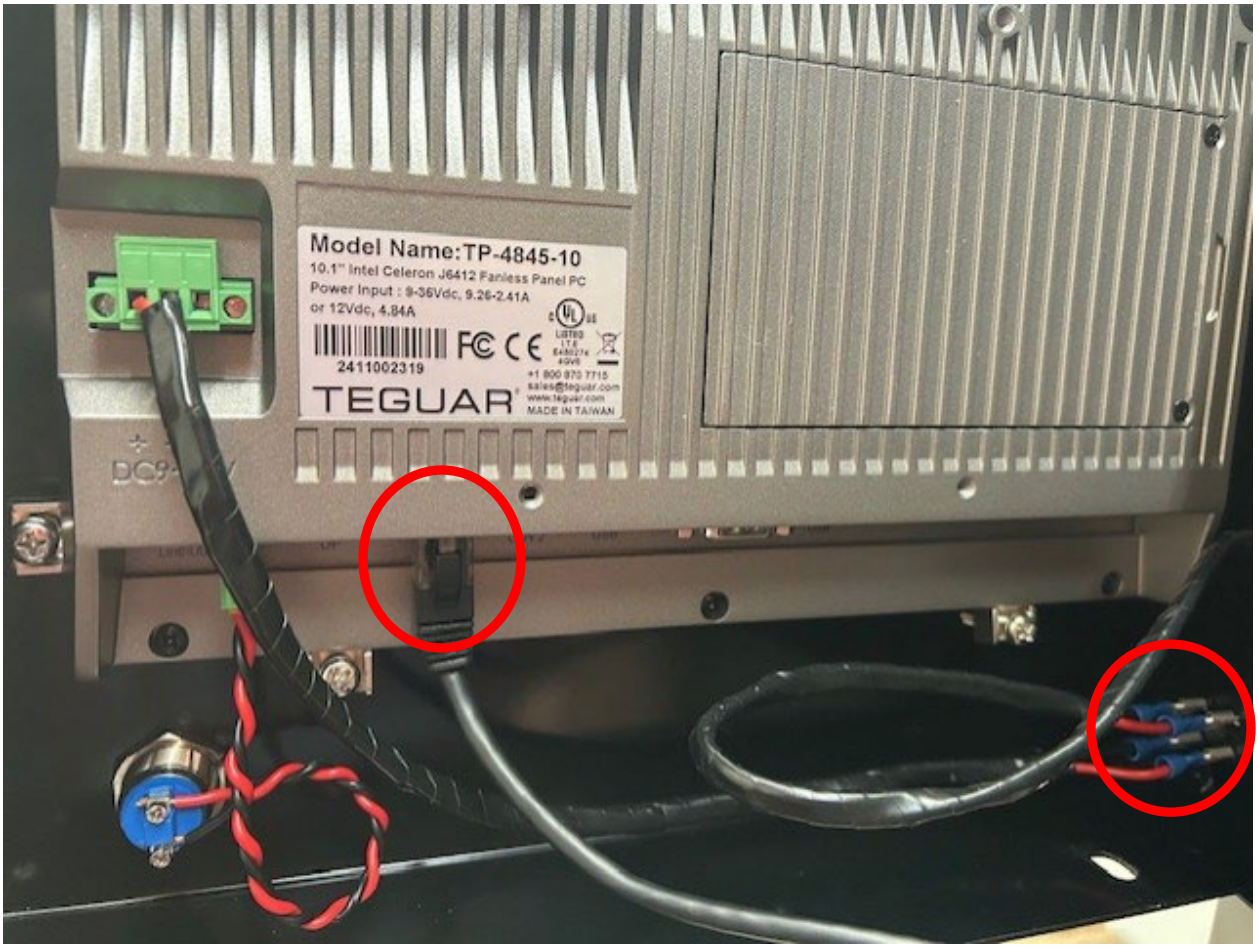
Step 7:

- The Ethernet cable is used to give internet connectivity to the industrial computer
- Rout your POE drop and AC power through the cable management hole on the electronics box and secure it using the (4) screws removed in step 5



Step 8:

- Remove the (4) screws in the industrial computer mount
- Loosen the power leads and Ethernet cables



Step 9:

- Connect the Ethernet cable to the industrial computer
- Connect the power leads to the main power switch
- Ensure all connections are snug

Step 10:

- Secure the industrial computer to the mount using the (4) screws removed in step 8

Step 11:

- Flip the main power switch to boot the device
- Load any desired software