

INSTALLATION OF **PANEL STACKING**





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01 INTRODUCTION

A stacked RFID portal is required when application involves scanning multiple tag zones vertically—especially in environments where items vary in height or are stacked on top of each other for example

- Pallets with multiple layers of boxes
- Trolleys or racks with vertical shelves
- Forklift loads with varying height profiles

A stacked portal ensures top, middle, and bottom tags are read reliably by placing antennas at multiple vertical levels

03 TOOLS & EQUIPMENT REQUIRED

(Not included in Hardware kit)

- Spanner / Wrench 7mm
- Allen Key M4

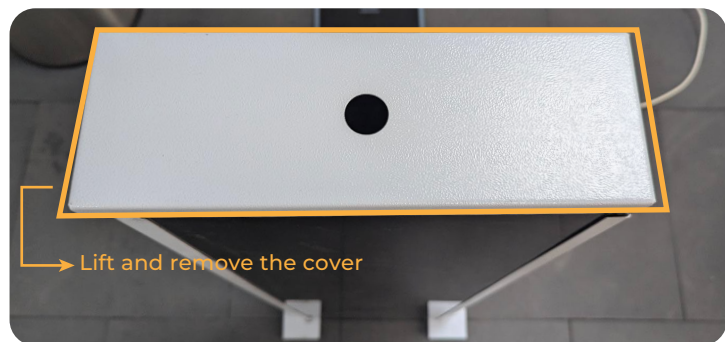


02 INCLUDED HARDWARE

ITEM NO.	DESCRIPTION	QTY
1	Stack Panel (Prefitted with Antenna)	02
2	Coaxial Antenna Cables (LMR-200)	02
3	Installation Manual (This Document)	01
4	Allen Bolts Size M4	05
5	Allen Bolts Size M5	05
6	Washers	20

04 INSTALLATION PROCEDURE

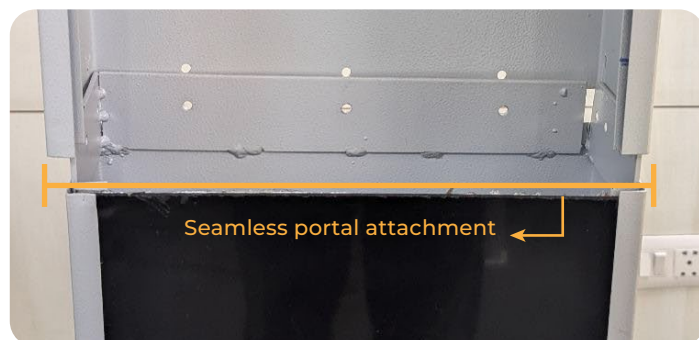
Step 1: Stacking Portal panel



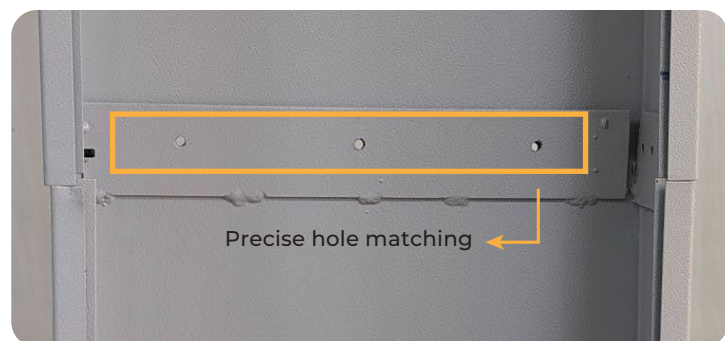
1.1 Carefully lift and remove the cover from the master portal.

1.2 Slide the second panel into position next to the first one.

1.3 Mount the second panel directly onto the first portal panel by matching the designated holes and securing it firmly with screws

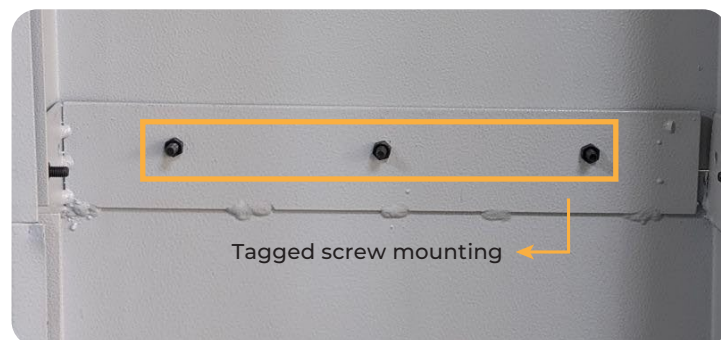


1.4 Make sure the connection points and screw holes align properly.



1.5 Insert screws into the 5 designated screw points.

1.6 Tighten the screws to fix the second panel in place.



1.7 Confirm all screws are properly tightened.

1.8 Ensure the panel is securely attached and aligned.

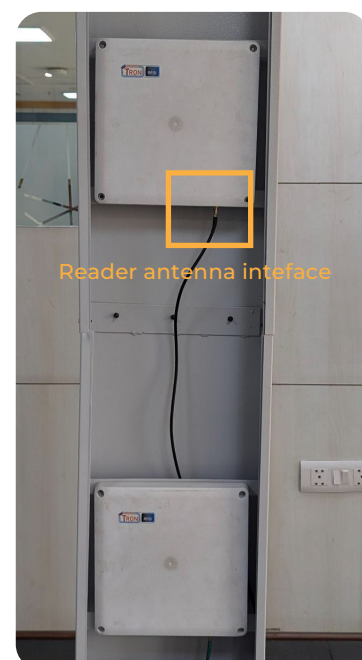
Step 2: Cabling and Connections

(IMPORTANT: Perform all cabling with the power supply disconnected.)

Stack Panel frames are supplied preinstalled with antennas. If there's ever an issue with the antenna or reader, you'll have the option to replace them. Simply unscrew the fasteners and remove the antenna from the panel.

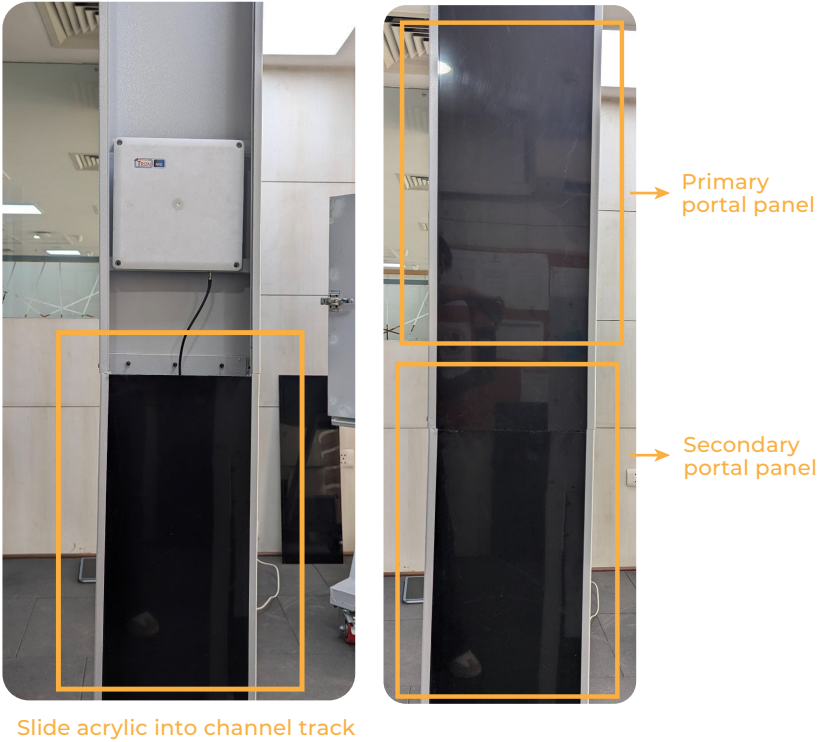
2.1 Connect the coaxial cable from the stacked panel antenna to the port labeled ANT2 on the RFID Reader.

2.2 Ensure the connectors are hand-tightened, then give a final 1/4 turn with a wrench. Do not over-tighten.



Step 3: Sliding Acrylic Sheet Installation

- 3.1 Each stack panel setup consists of one acrylic sheet—one sheet per panel.
- 3.2 Each cover sheet is installed by sliding it into position.
- 3.3 The sheets slide in smoothly without resistance.
- 3.4 No screws are needed—once in place, the sheets are held securely by the design of the slot or grooves.



————— CONTACT US FOR HELP OR MORE DETAILS —————



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