

# Payter P66 terminal retrofit

UFC150 Charger

Presenter Name | Department | MM/DD/YYYY





# Scope definition



# Change log

Revision	Description	Release date	Author
Rev.0	Initial release	2023.08.21	MW
Rev.1	Added metering options	2023.09.04	MW

# Scope of rework

1. This manual describes adding Payter credit card terminal to UFC150 charger.
2. Single sided and double sided versions of charger are covered by this manual.
3. For double sided version please follow steps marked as (option).
4. This manual covers both RUT955 and Tosibox variants.
5. This manual does not cover variant with MID metering.



# Estimated time

No.	Description	Number of people	Estimated time
1	Gunholder replacement and terminal installation (per side)	1	1.5h
2	Internal cabling, auxiliary components and configuration	1	5h

# Rework kit

5630104518 - KIT RETROFIT SINGLE PAYTER TERMINAL

or

5630104845 - KIT RETROFIT DUAL PAYTER TERMINAL

To check which rework kit is needed please note down chargers serial number and consult Delta service.

# Required tools

Following tools are required to complete rework:

- Charger door key,
- AKU screwdriver,
- Torque screwdriver
- Screwdriver bit set (including torx)
- Torque wrench, with the range up to 24Nm
- Ethernet cable, at least 1.5m long,
- Laptop,
- Multimeter,
- Sikaflex,
- Glue application tool



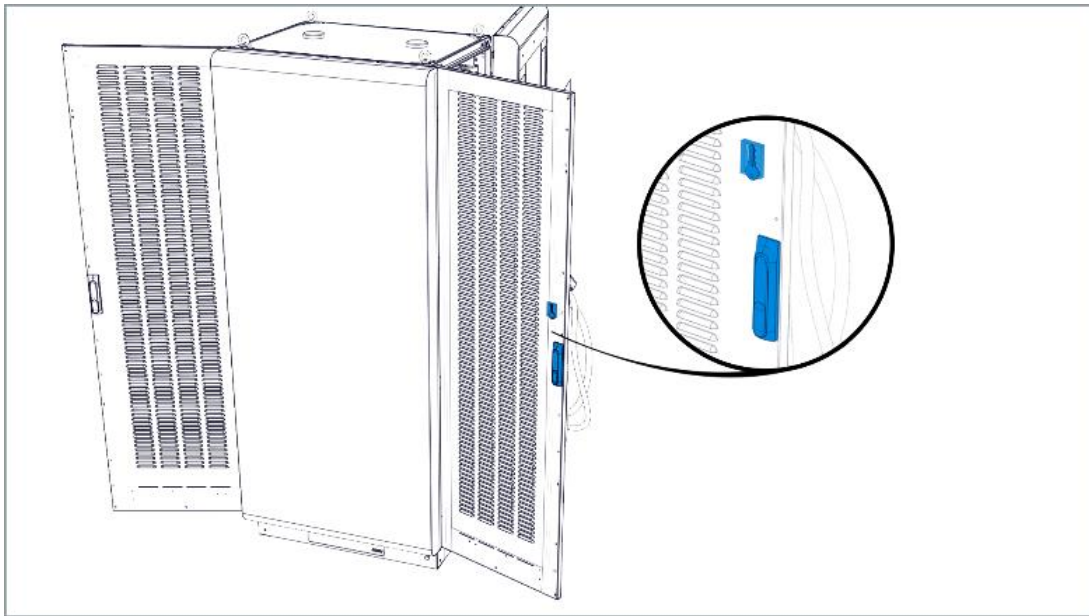
# Rework procedure





# Gun holder replacement

1. Turn off the power supply to the charger
2. Open the side doors and secure them



3. Unscrew front panel (8 screws)



# Gun holder replacement

4. Open front panel to approximately 30cm



5. Disassembly of display cover by unscrewing of 8 Pcs M5 nuts



# Gun holder replacement

6. Disconnect HMI flat cable to open front panel



7. Remove cable ties holding AC socked cable





# Gun holder replacement

6. Unscrew 12 nuts holding CCS gun holder 7. Use heat gun to soften the adhesive



Note: gun holder may look differently depending on hardware version

# Gun holder replacement

8. Remove gun holder

9. Clean surface from old adhesive



# Gun holder replacement

8. Add new Sikaflex



9. Install new gun holder

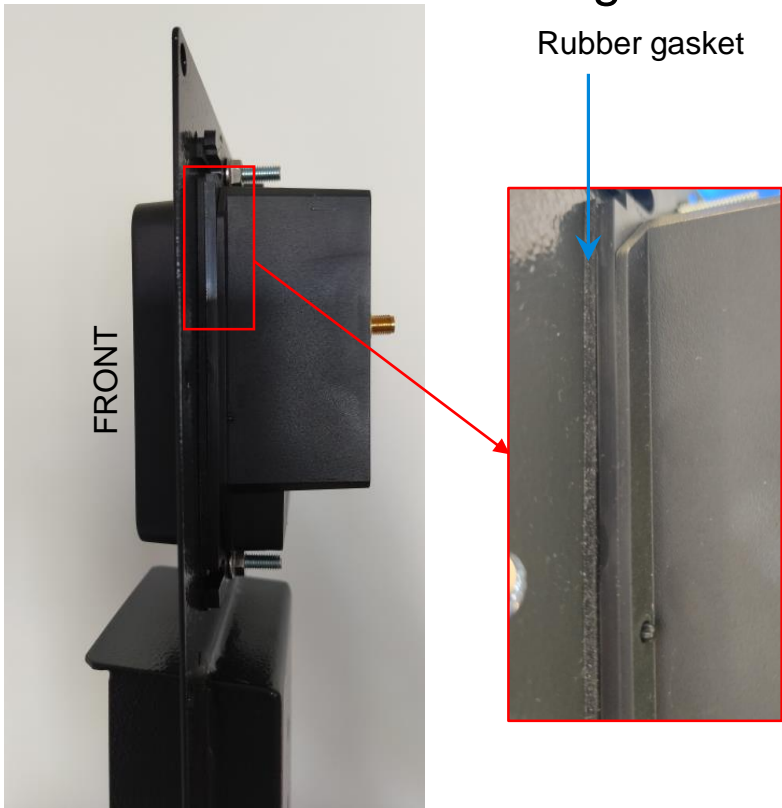
10. Screw 12 nuts back in place using 3Nm of torque

11. (option) For double sided charger version repeat „Gun holder replacement” steps 1-10 on second front panel of the charger



# Terminal installation

1. Install supplied SIM and SAM cards into terminal
2. Install P66 terminal in the gunholder
3. Tighten M5 nuts using 1.4Nm of torque



# Terminal installation

4. (option) For double sided charger version  
repeat „Terminal installation” steps 1-2 on  
second front panel of the charger



# Switch installation

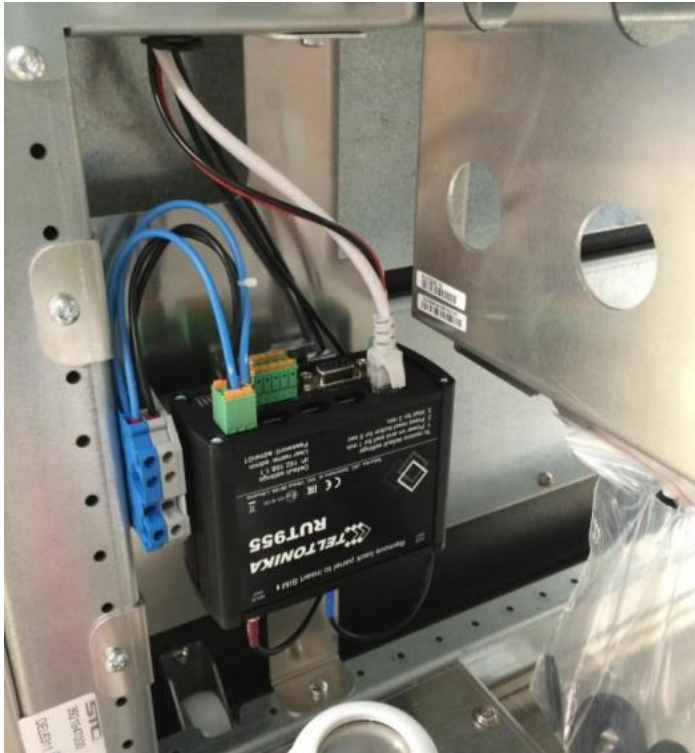
1. Screw switch holder with two T25 screws (torque 5Nm)
2. Install switch SW2 on holder



Note: Switch may look differently depending on hardware version

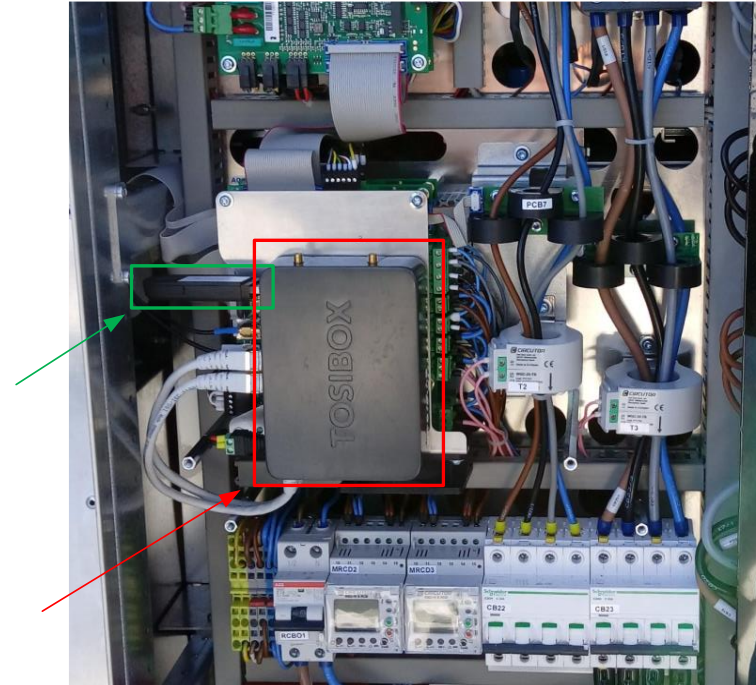
# Switch installation

## 3. Identify SW1 hardware version



Teltonika RUT955

Proceed to Switch installation RUT955



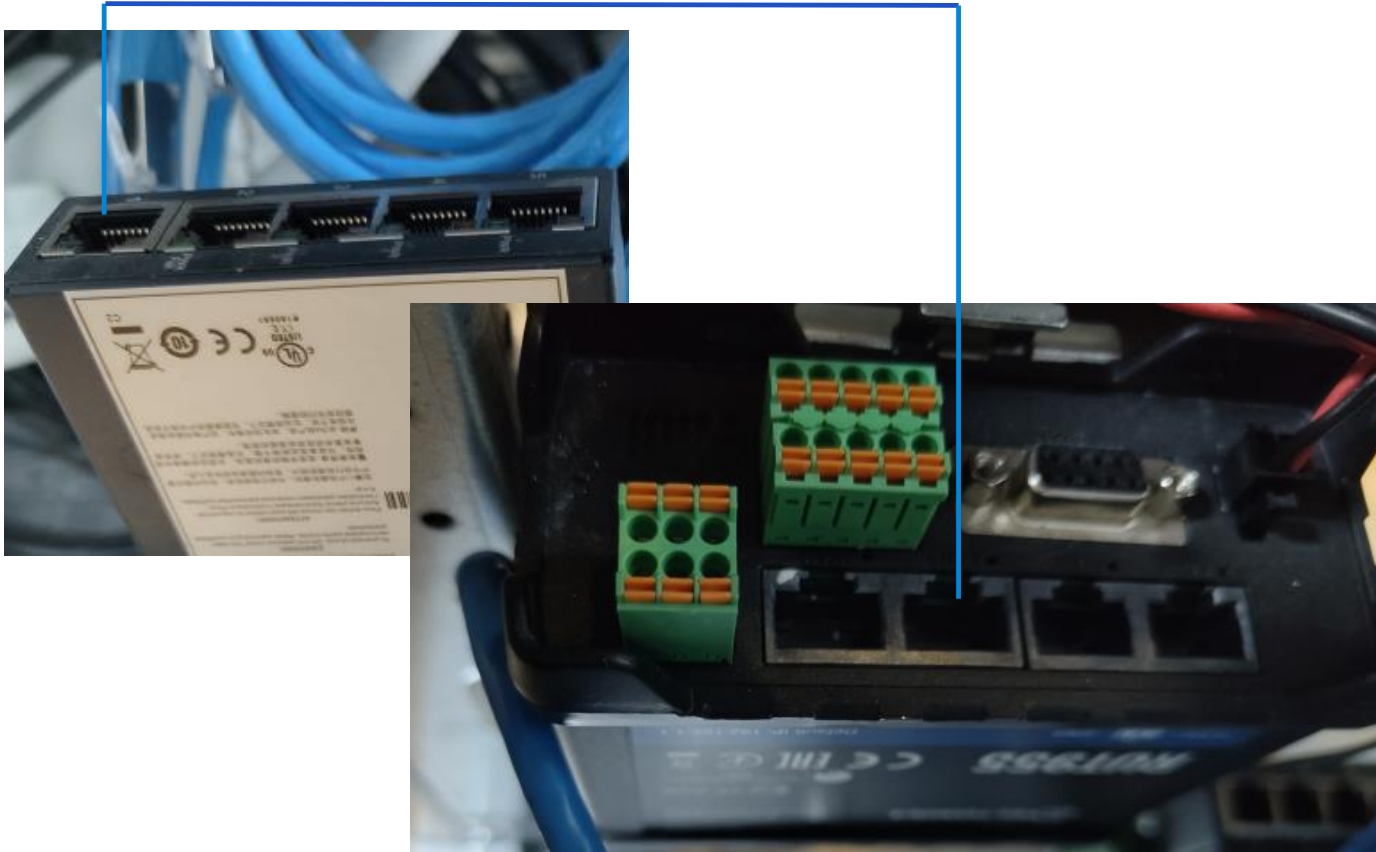
Tosibox (RED) with 4G modem (GREEN)

Proceed to Switch installation Tosibox

# Switch installation RUT955

3. Using 0,5m Ethernet cable connect SW2 port 1 to SW1 port 3

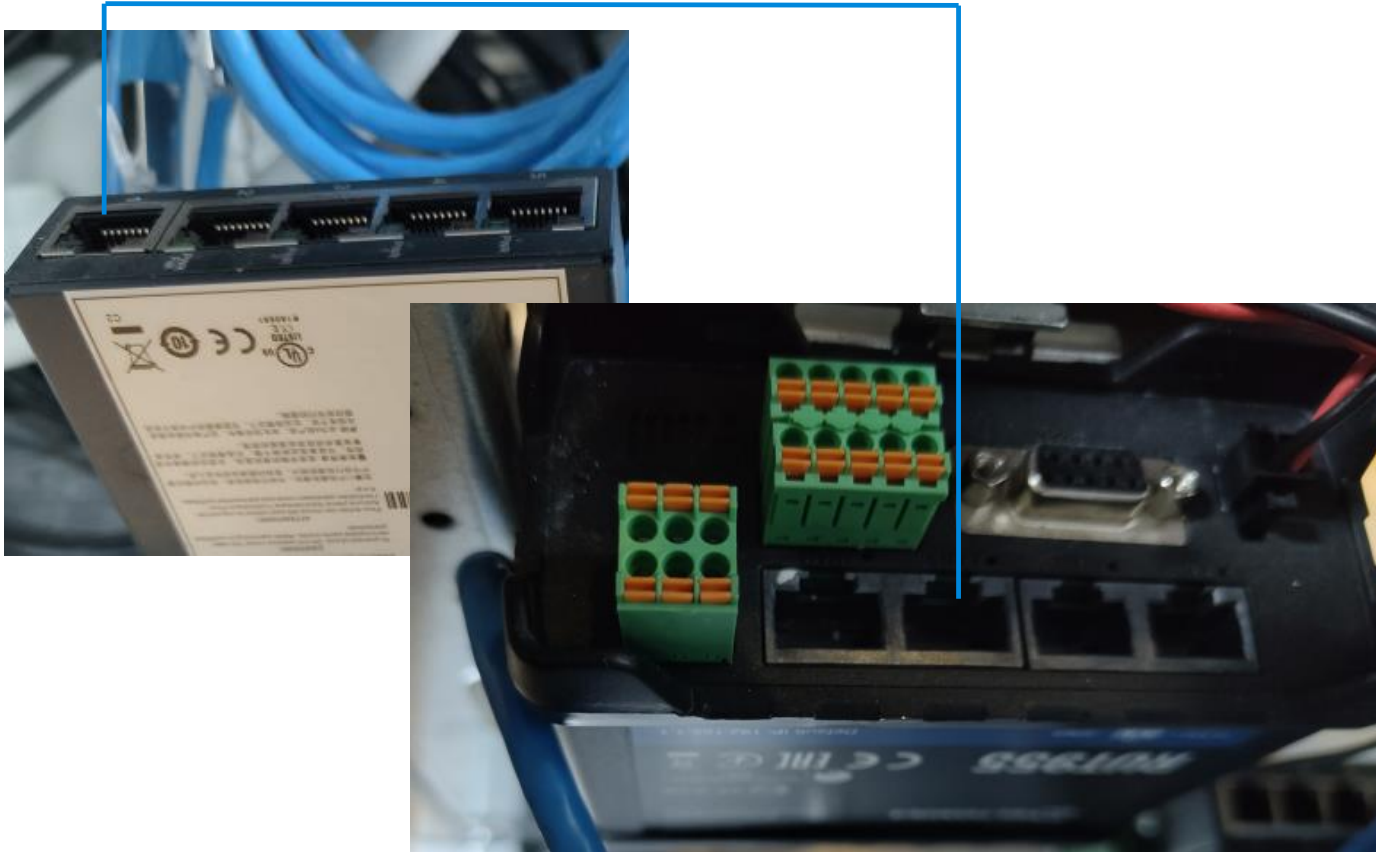
4. Installation of switch power supply cabling is described in separate point



# Switch installation RUT955

3. Using 0,5m Ethernet cable connect SW2 port 1 to SW1 port 3

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# Switch installation Tosibox

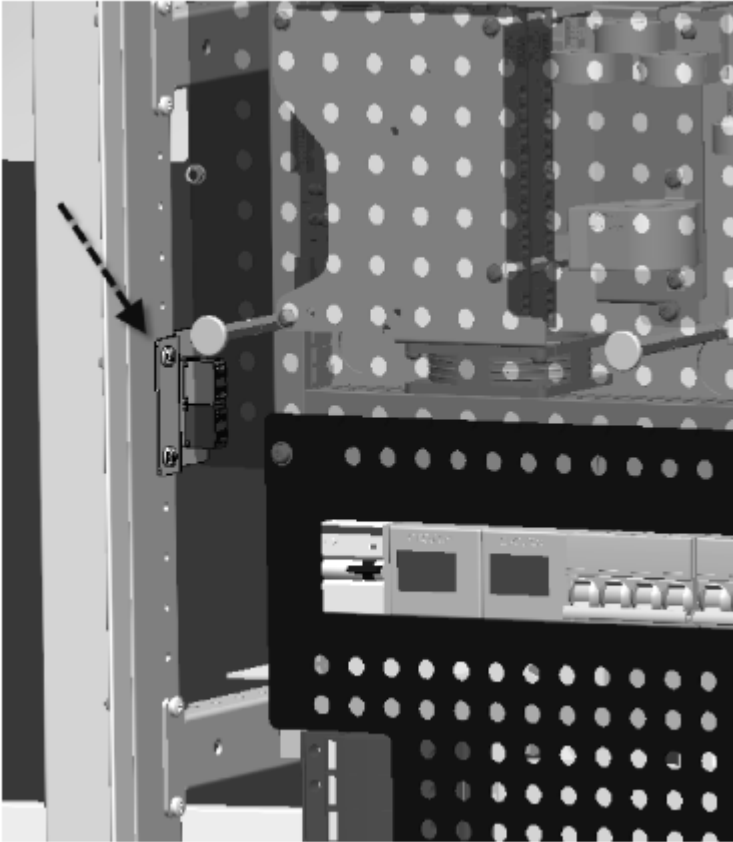
3. Using 1,5m Ethernet cable connect SW2 port 1 to Tosibox LAN 3

4. Installation of switch power supply cabling is described in separate point



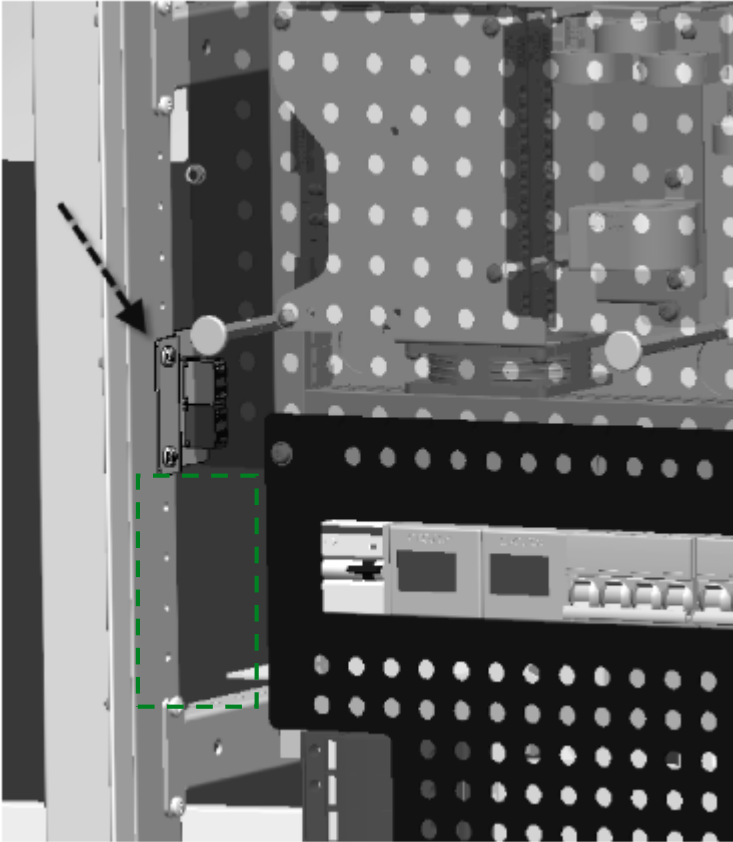
# 12V distribution installation

1. Install holder and 12V distribution (torque 5Nm)



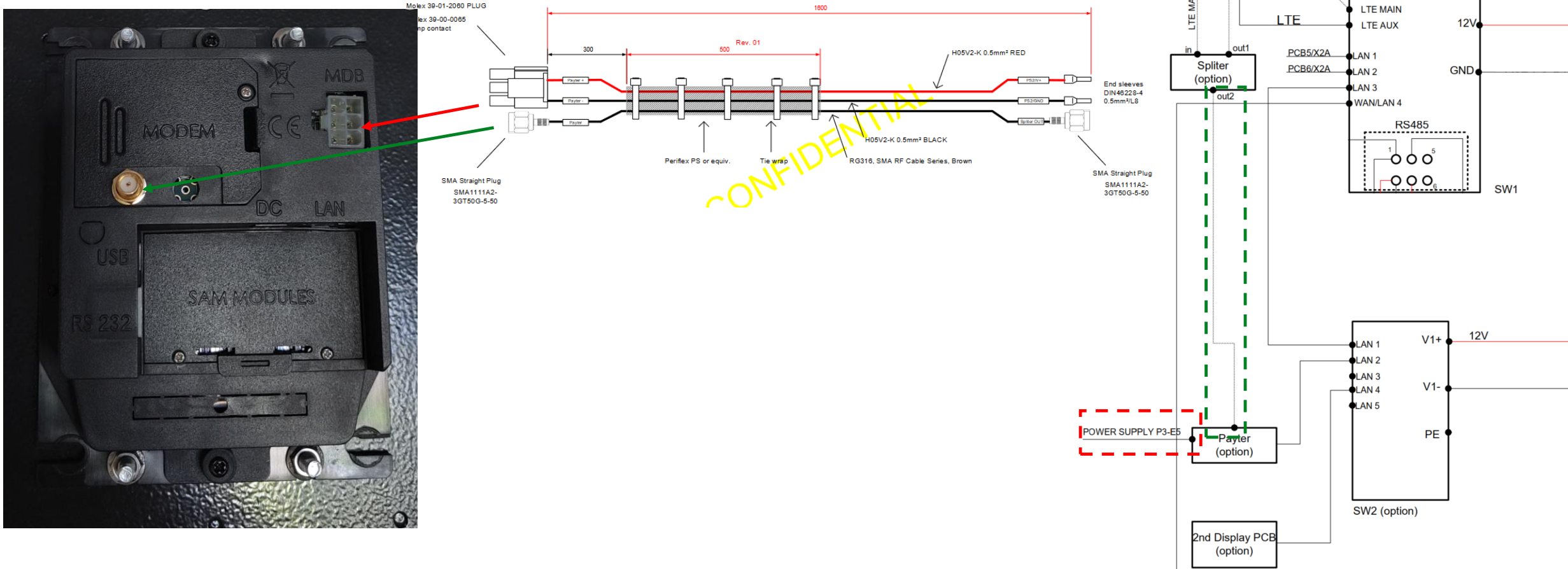
# 4G signal splitter installation

1. Install splitter holder and splitter below 12V distribution (torque 5Nm)
2. (option) for double sided version supplied splitter has 3 outputs instead of 2



# Cabling installation

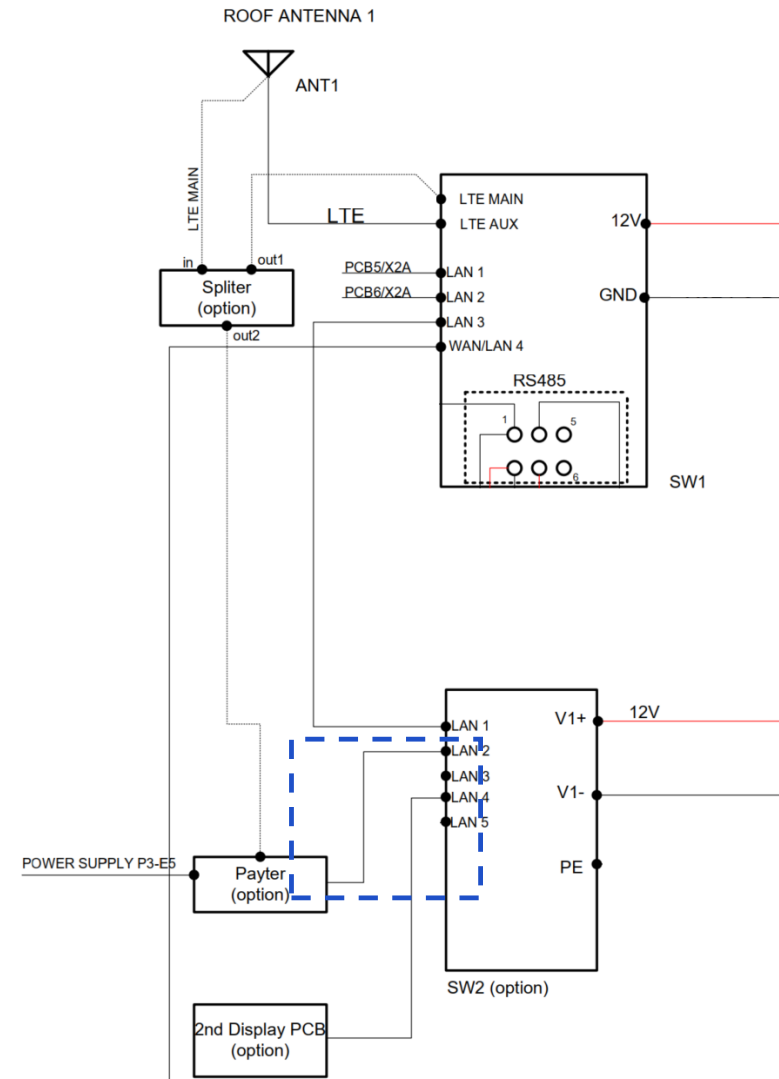
## 1. Connect MDB connector and antenna connector to Payter P66 terminal





# Cabling installation

2. Connect RJ45 connector of 3m Ethernet cable to LAN port of Payter P66 terminal



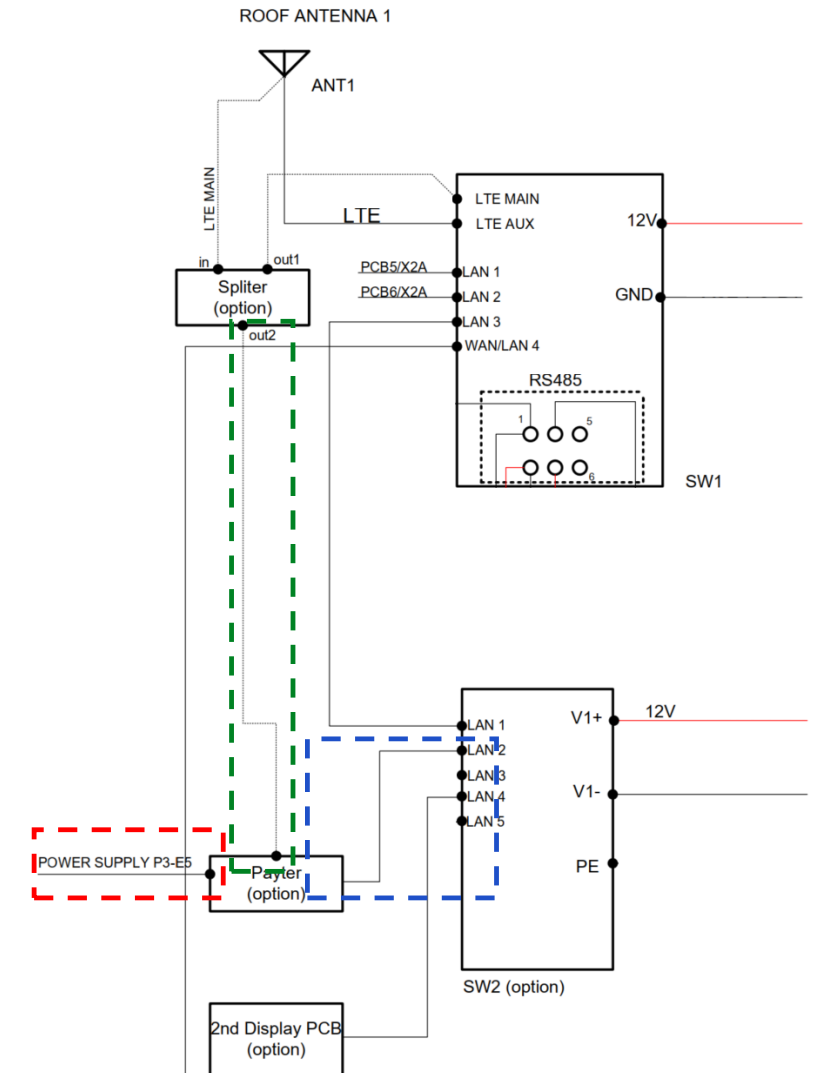
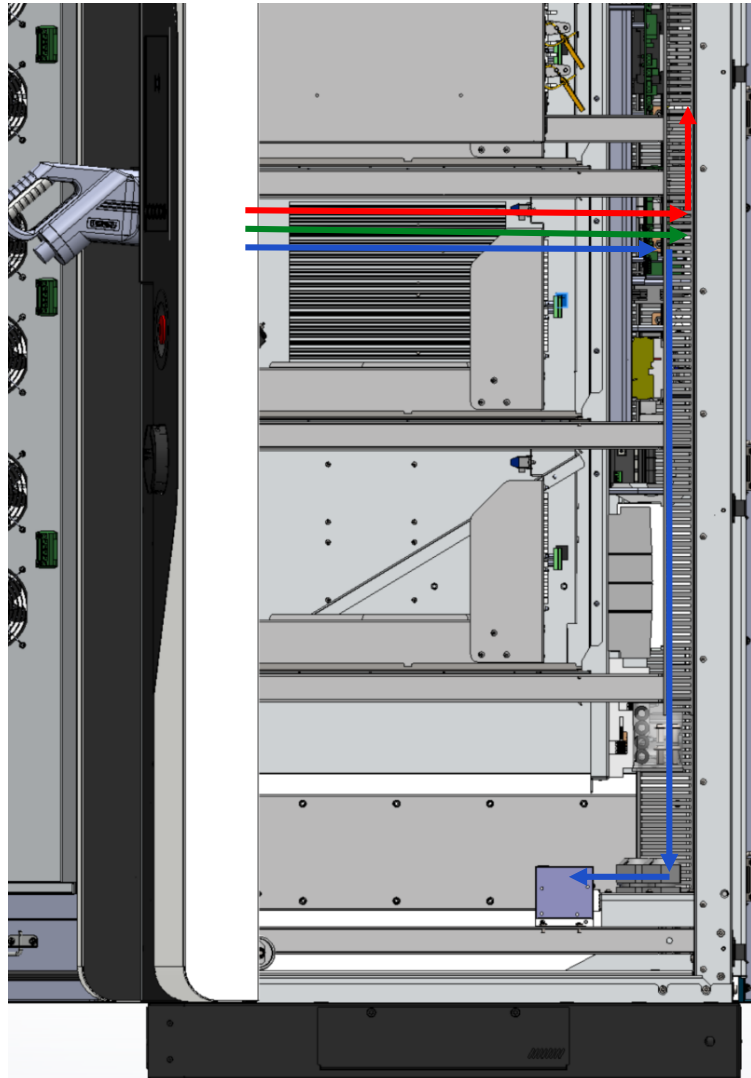
# Cabling installation

3. Follow cable routing from payment terminal

12V power supply

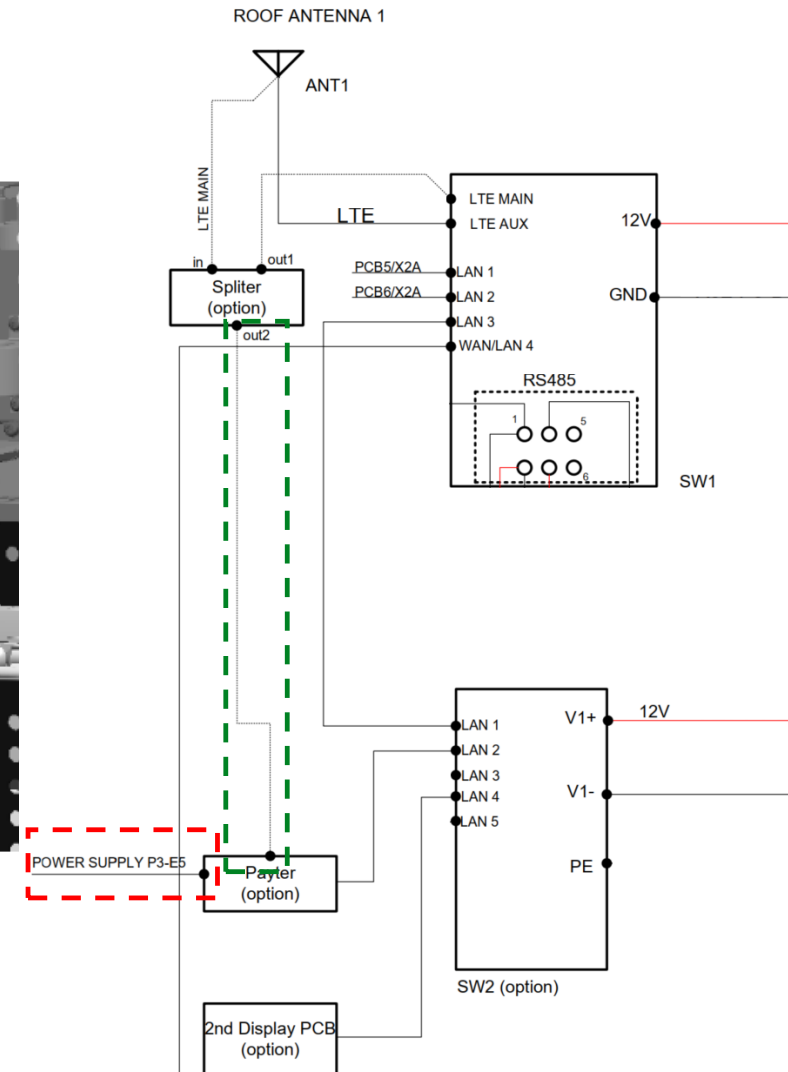
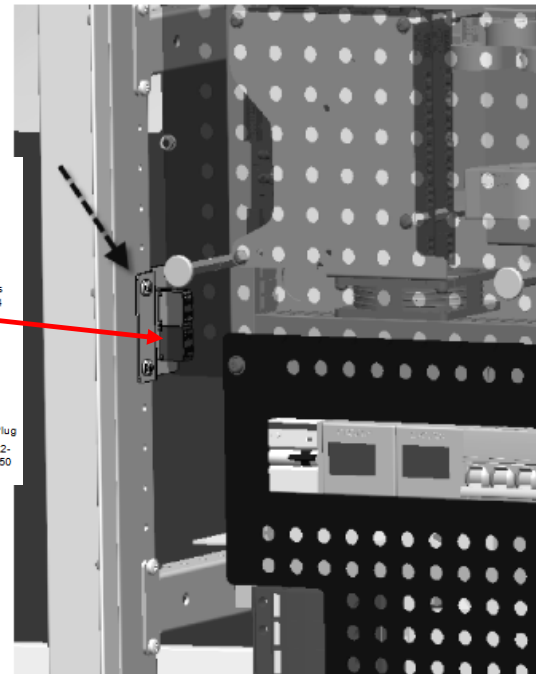
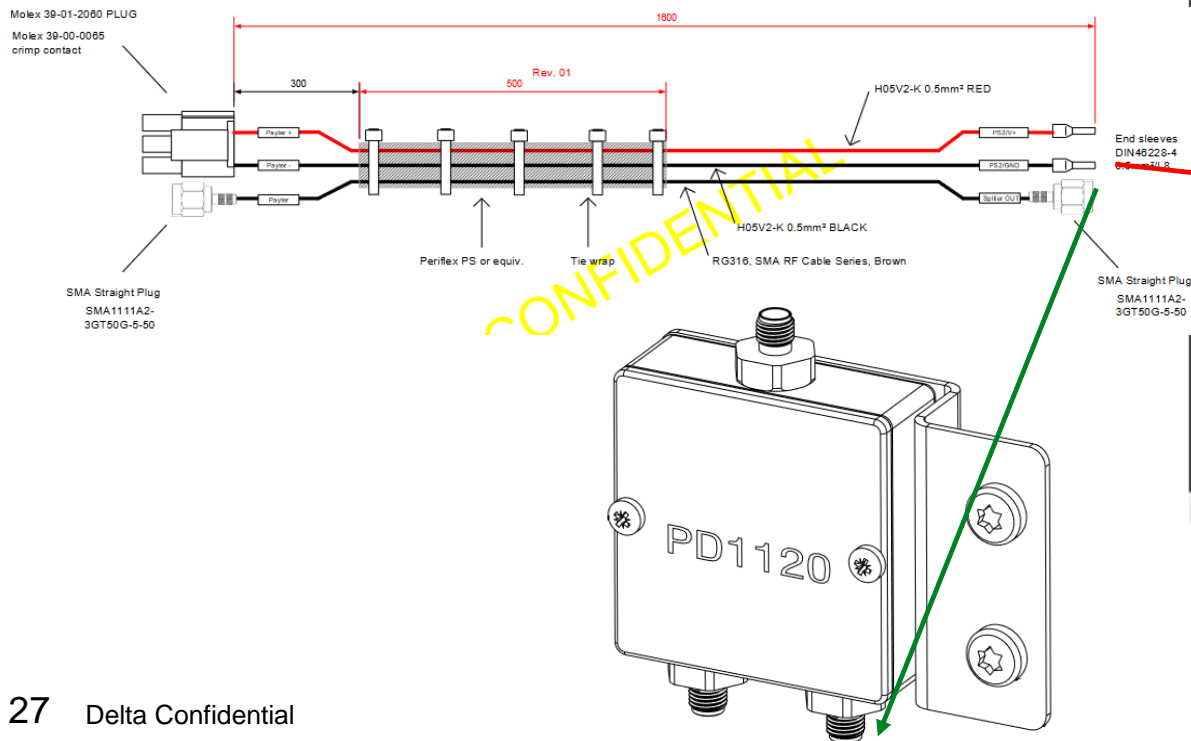
Antenna cable

Ethernet



# Cabling installation

4. Connect + and – cables to 12V distribution
5. Connect antenna cable to splitter out2



Technical drawing of the rear panel of a server rack, showing the internal structure and components. A red arrow points to the right, indicating the direction of the rear panel's movement.

## 12V power supply



# Cabling installation

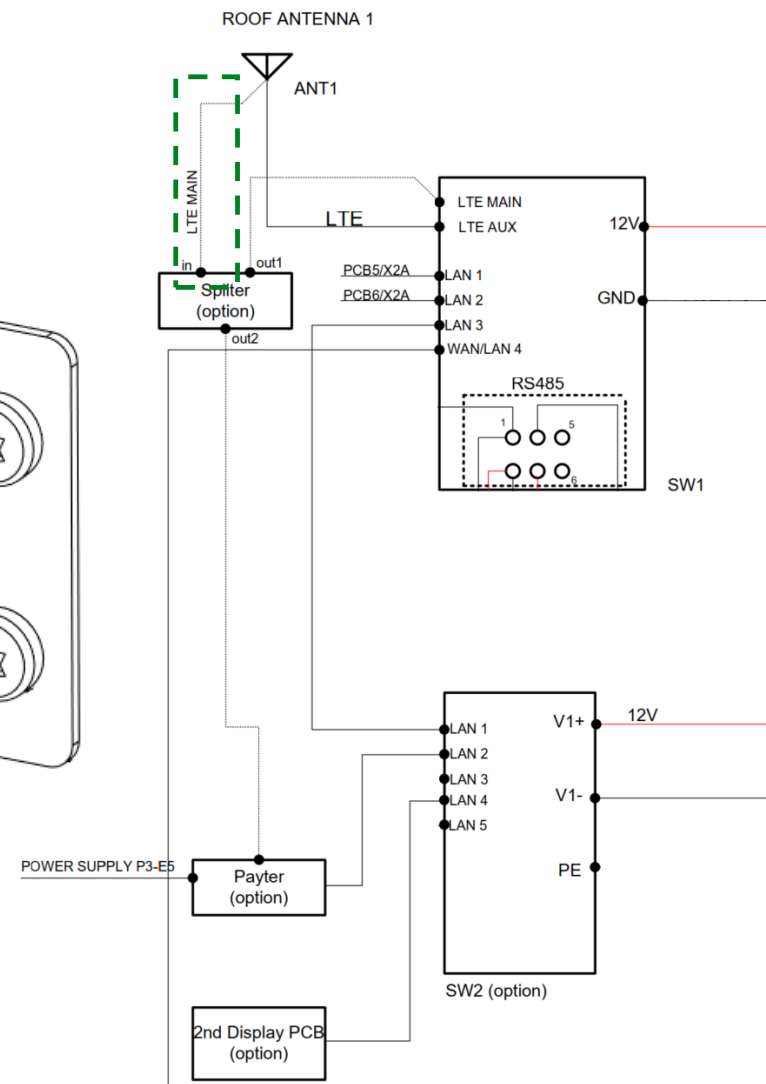
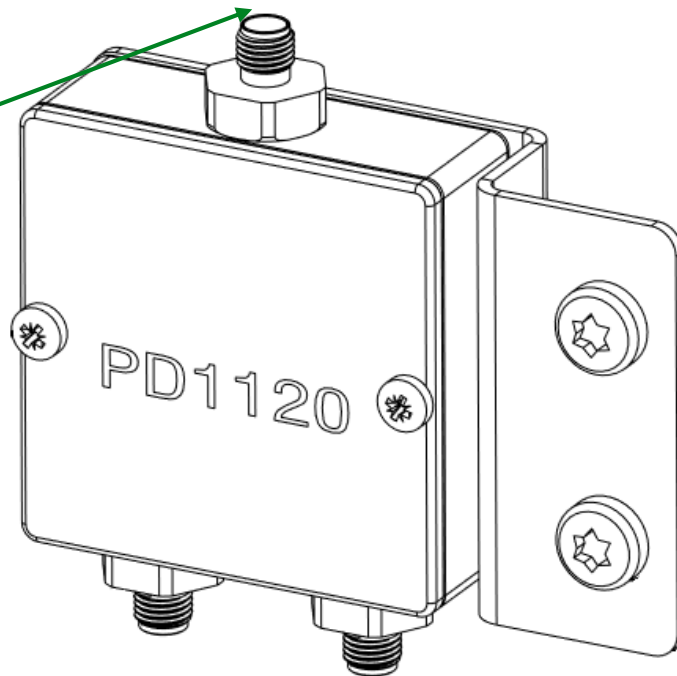
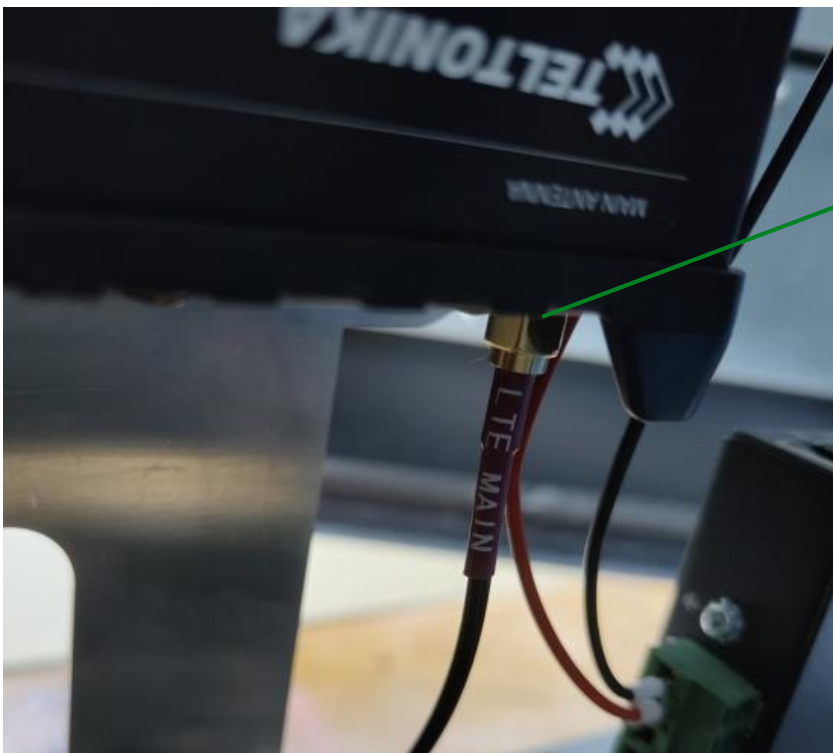
7. Connect Ethernet cable to SW2 port 2

8. Connect 12V power supply to switch SW2



# Cabling installation RUT955

9. Disconnect LTE MAIN antenna cable from SW1
10. Remove cable from cable duct and reconnect to splitter input

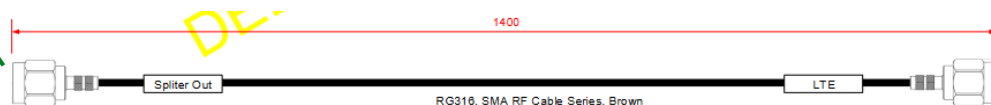
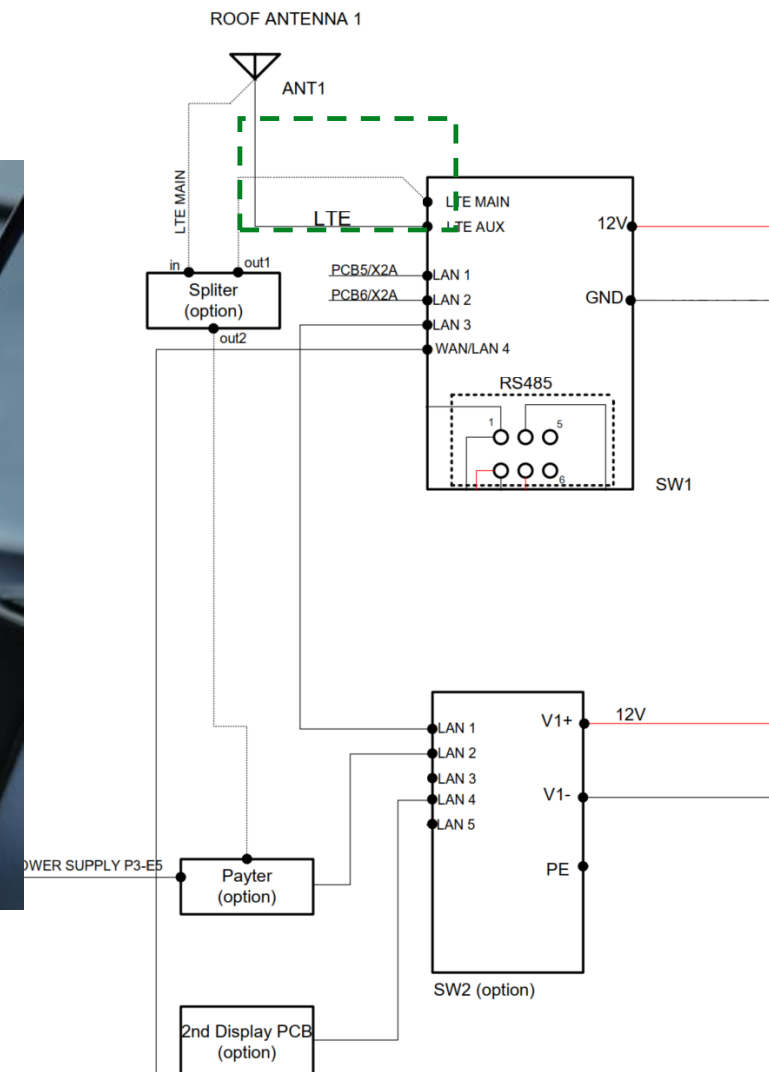
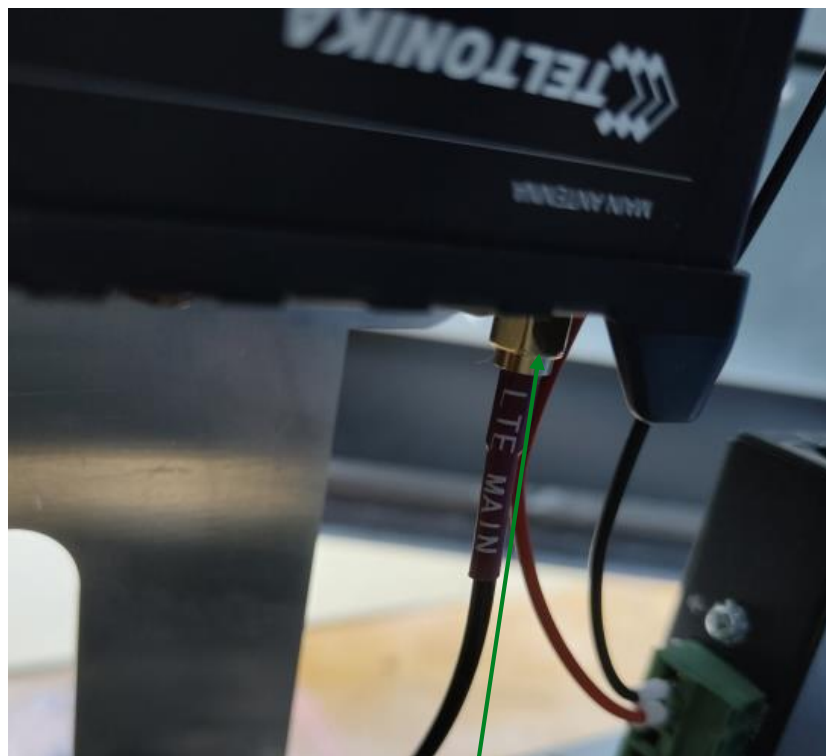
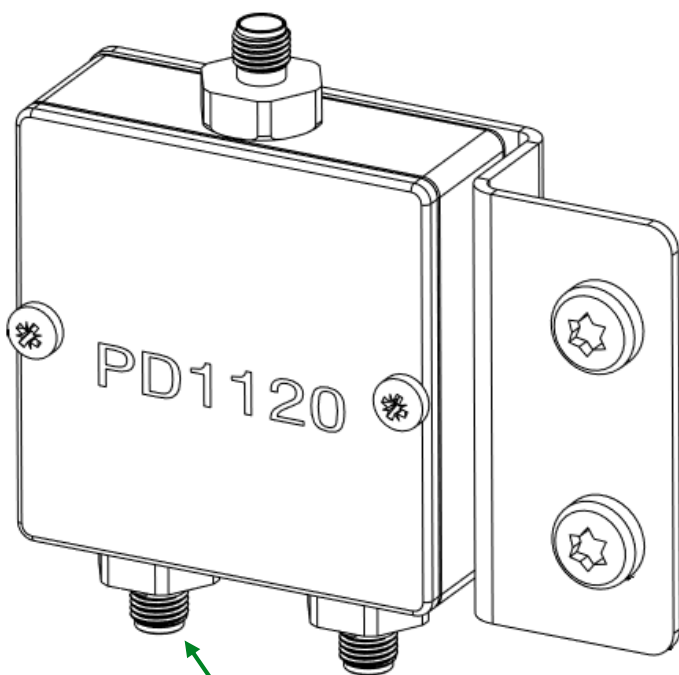




# Cabling installation RUT955

11. Connect antenna cable supplied with the kit to „splitter out1”

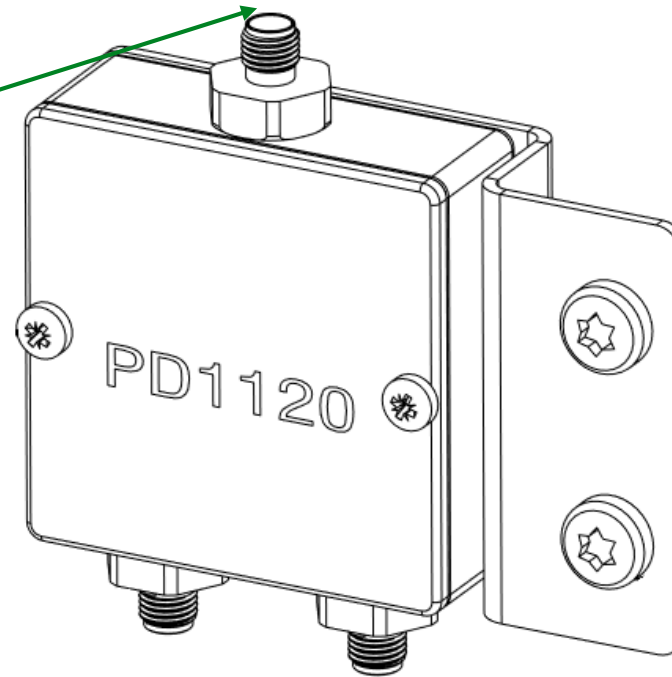
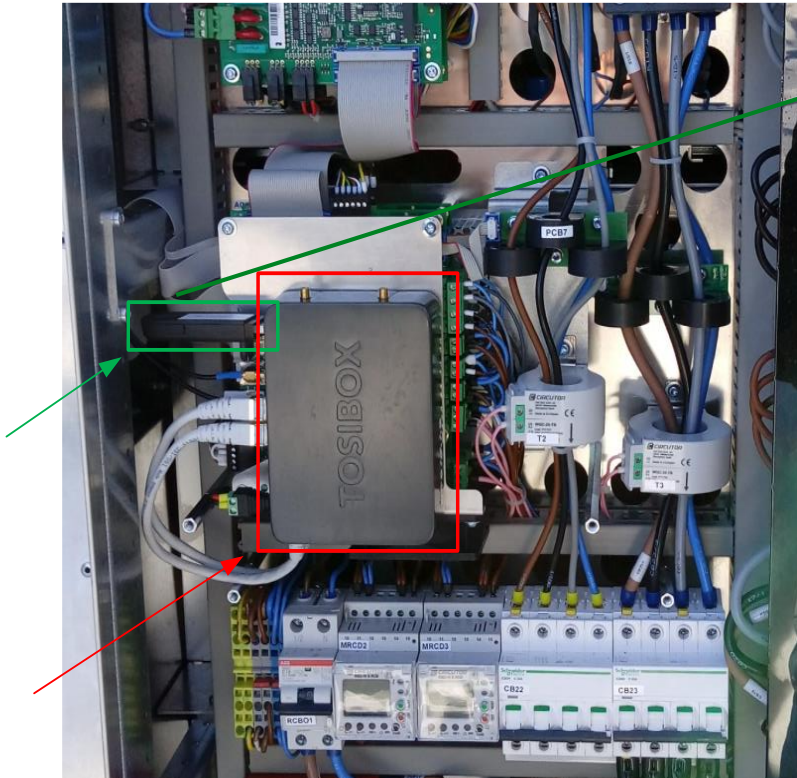
12. Install cable in cable duct and connect second end to SW1 LTE MAIN input



# Cabling installation Tosibox

9. Disconnect LTE antenna cable from Tosibox (RED) 4G modem (GREEN)

10. Remove cable from cable duct and reconnect to splitter input

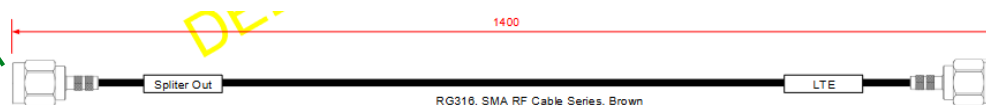
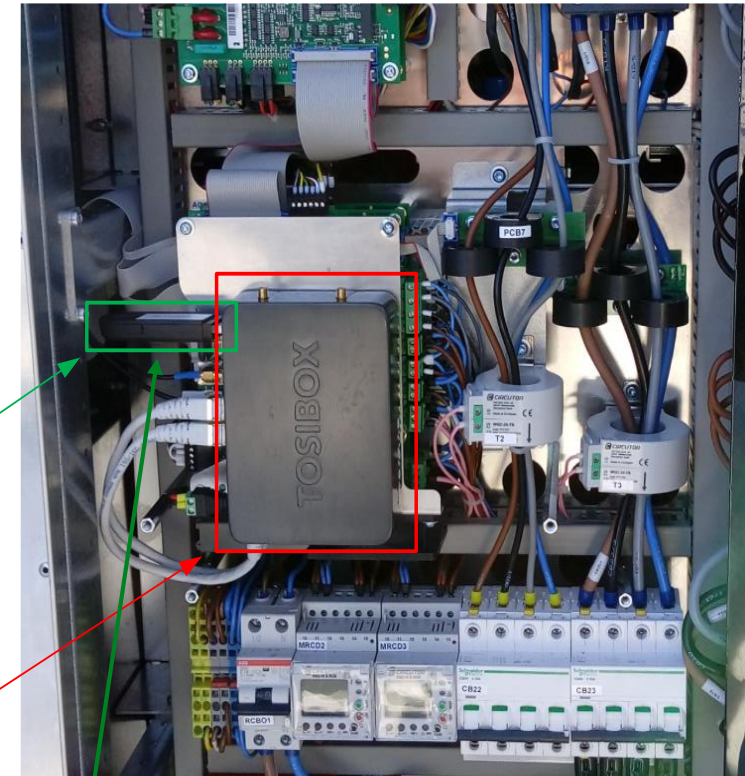
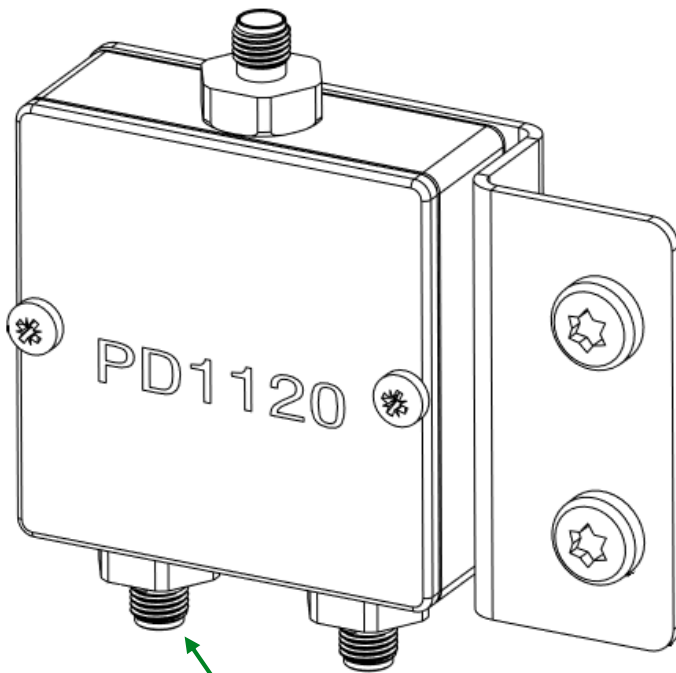




# Cabling installation Tosibox

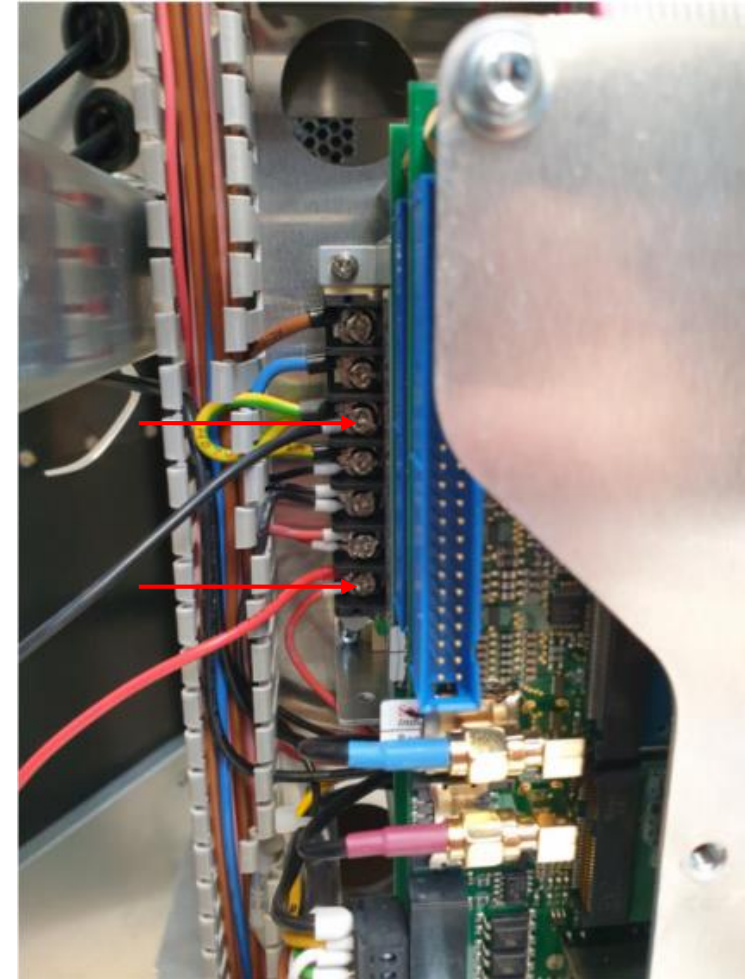
11. Connect antenna cable supplied with the kit to „splitter out1”

12. Install cable in cable duct and connect second end to Tosibox (RED) 4G modem (GREEN)



# Cabling installation

- 13. Locate 12V power supply below main controller
- 14. Connect + and – to free terminals on power supply
- 15. Connect second end of the cable to 12V distribution



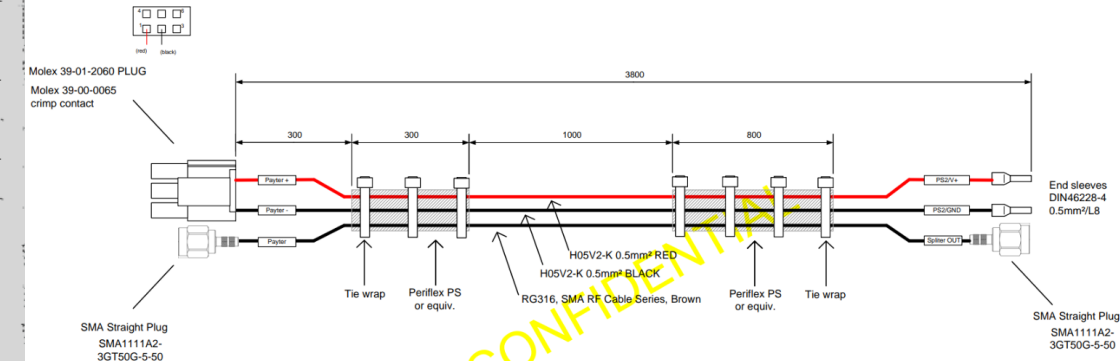
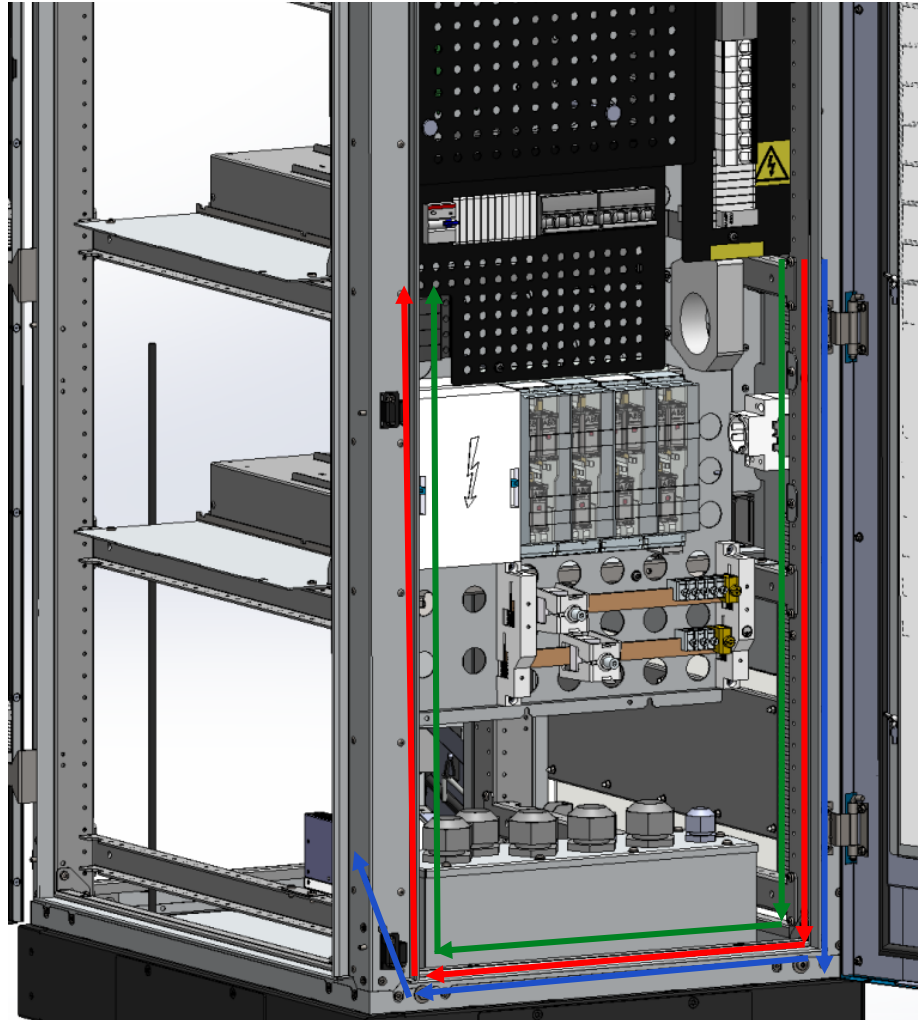
# Cabling installation

16. (option) follow cable routing for second Payter terminal

12V power supply

Antenna cable

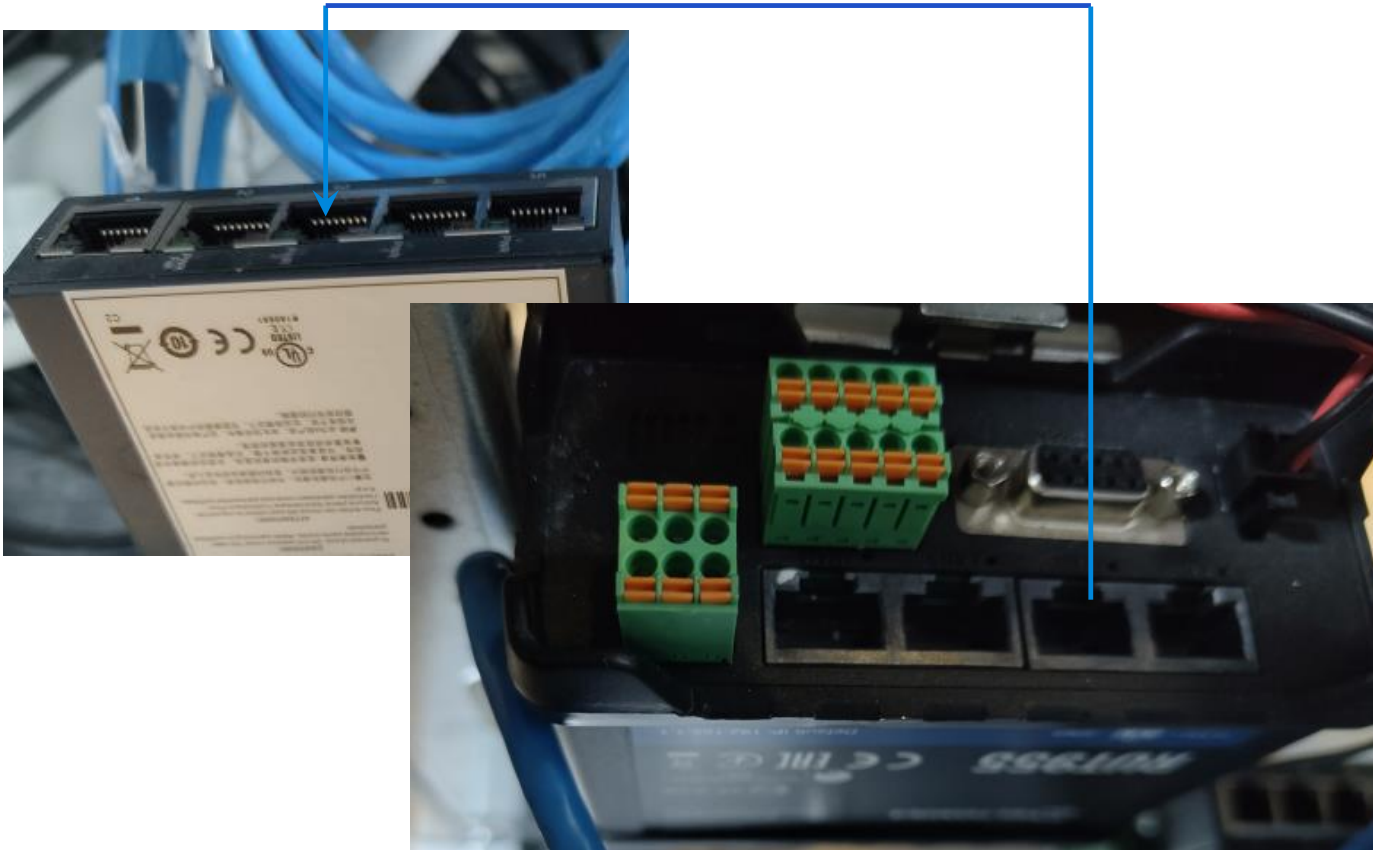
Ethernet



# Cabling installation

17. (option) Disconnect second display from SW1 port 3 and reconnect to SW2 port 3

18. (option) Connect Ethernet cable from second Payter terminal to switch SW2 port 5



# Cabling installation

19. (option) Connect 12V cable from second Payter terminal to 12V distribution
20. (option) Connect antenna cable from second Payter terminal to splitter out3



# Configuration and testing





# Configuration and testing

1. Power-up the charger
2. Check if both Payter terminals power-up correctly
3. Check if charger boot-up correctly
4. Contact Delta service for further configuration



# Finishing rework



# Finishing rework

1. Close front panel to approximately 30cm



# Finishing rework

2. Reconnect HMI flat cable

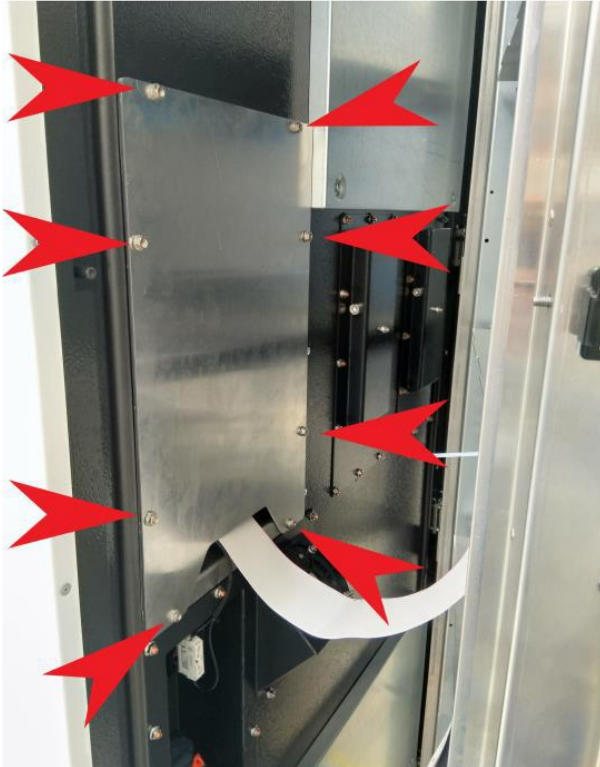


3. Reinstall cable ties holding AC socked cable

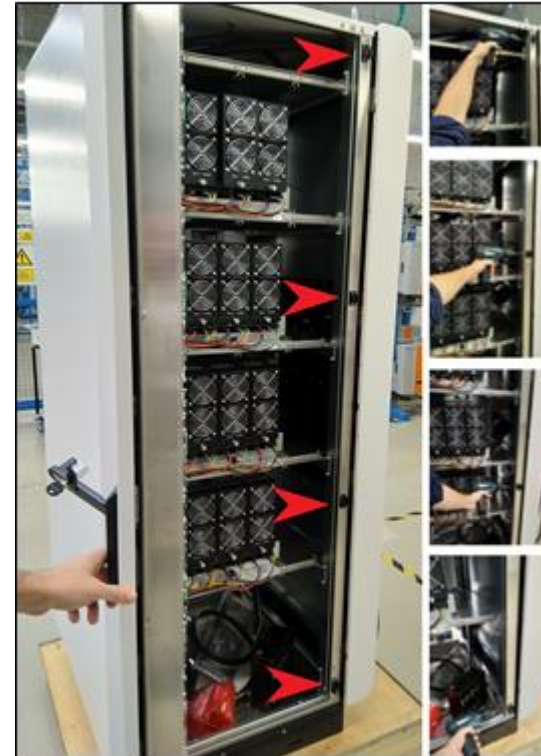


# Finishing rework

4. Install display cover by screwing of 8 Pcs M5 nuts

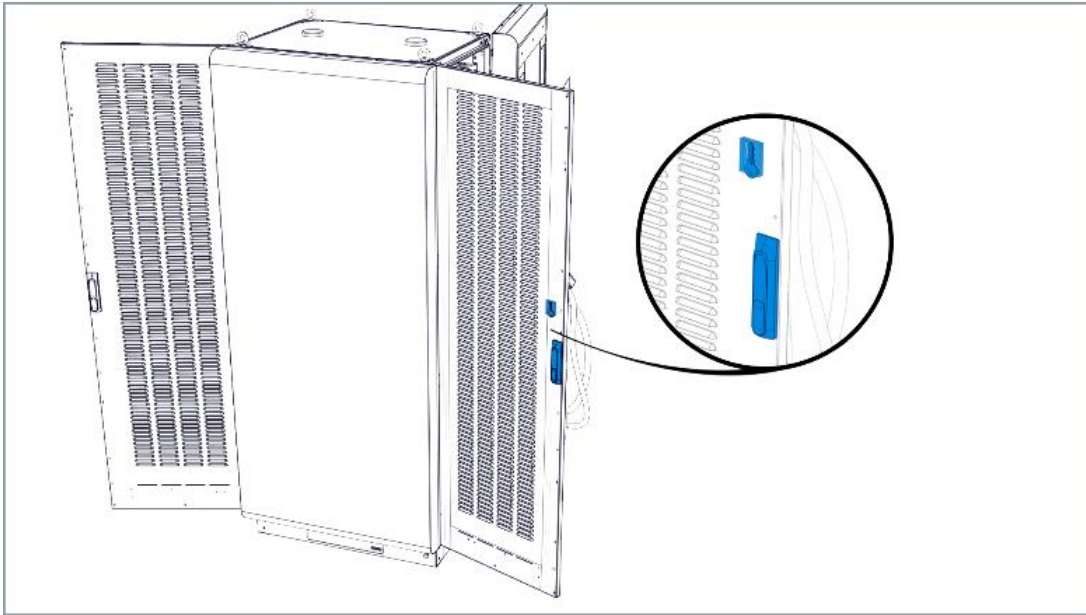


5. Screw front panel (8 screws)



# Finishing rework

6. Clean the charger and work area
7. Turn on the power
8. Close the side doors





Smarter. Greener. Together.