In-wall PoE switch with several PoE ports is recommended – especially when several PoE Adapter. When integrating the device into an existing network, using a same time. All you need for this purpose is a PoE switch or a MOBOTIX NPA Power Supply

PoE-supplied end devices are to be connected. When connecting MxBus devices, Power Supply and Network Connection

Technical Specifications

- 1 isolated relay output (power for each pin: Typ. 3.5 W)
- 3 galvanically separated inputs (AC/DC, Ethernet, WiFi (access point, client))
- Display size
- Ethernet, WiFi (access point, client)
- Interfaces
- Controls
- • Allen wrench 2.5 mm
- • Screwdriver
- • RFID card (administrator)
- • Sealing
- Technical Specifications

Installation Example With Two MxDisplay+ Units

MxDisplay+ is connected via a failsafe PoE connection and serves as remote station for the door station as well as WiFi access point for additional remote

Technical Specifications

- 2.4 GHz and 5 GHz bands
- MxDisplay+ Outdoor: IEEE 802.11b/g/n, 2.4 GHz and 5 GHz bands
- MxDisplay+ Outdoor: IEEE 802.11b/g/n, 2.4 GHz band
- MxDisplay+ Outdoor: IP66, operating temperature –30 to +60 °C/–22 to +140 °F
- MxDisplay+ Outdoor: IEEE 802.11b/g/n, 2.4 GHz band
- MxDisplay+ Outdoor: IEEE 802.11b/g/n, 2.4 GHz and 5 GHz bands
- Technical Specifications

Installation Example With Two MxDisplay+ Units

MxDisplay+ is connected via a failsafe PoE connection and serves as remote station for the door station as well as WiFi access point for additional remote

Technical Specifications

- 3.53 mm
- 150 mm
- 112 mm/
- 5.63 in
- 6 in
- 5.43 in
Connecting and installing the MxDisplay+ into the Frame

1. Prepare Installation Cable
   - Cut the wire ends to length. Open the cover on the back of the MxDisplay+ and push the wire ends through the holes in the frame until they touch the signal inputs/outputs as indicated on the stickers on the FlatMount Frame. 
   - After all wires are connected, close the cover on the back of the device (with a network mask of 255.0.0.0).

2. FlatMount Frame
   - Connect Wires:
     - After the installation cable has been attached to the signal inputs/outputs, connect the MxDisplay+ and – optionally – a compact gate frame to the Frame with an MxDisplay+.
   - When connecting a contact with DC power supply (e.g., doorbell), you need to use a bell module (see BellRFID Access Module). 

3. Insert the FlatMount Frame into the opening. Make sure that the red knob points at the "open lock" icon and that the red knob is on the left side. When attaching the FlatMount Frame, make sure that the arrow on the flat mount frame points downwards.

4. Tighten the screws. Make sure that you do not overtighten the screws. By tightening the screws, the clamping brackets automatically engage into the notches of the housing. 

5. Measure the thickness of the material. Cut the long clamp to the correct length. Attach the clamp to the FlatMount Frame with the screws. 

6. Insert the BellRFID Access Module.
   - When connecting the BellRFID Access Module, make sure that the RFID function is not hampered and – at worst – can even destroy the RFID chip.
   - If the BellRFID module is attached to the FlatMount Frame, the RFID function is automatically activated.

   - Connect the flat mount frame with MxDisplay+ and one or more connected signal inputs or outputs, you also need to assign the doorbell button to the program. 
   - To assign the desired bells to the program, please make sure that the MxDisplay is running software release 2.1 or higher.

8. Power: Auto configuration: 
   - Carry out the auto configuration at the door station (see Section 2.1.3, "Start the Auto Configuration"). 
   - Once the MxDisplay+ is running, it has to be set up as a WiFi client (see «Connect WiFi Network Connection, External Two-Wire Power Supply»). 
   - To assign the desired bells to the program, please make sure that the MxDisplay is running software release 2.1 or higher.

9. Power: Auto configuration: 
   - The BellRFID module is activated by entering the Super PIN at the access device. 
   - After entering the Super PIN, the BellRFID module is activated and the RFID function is immediately activated.

10. Power: Auto configuration: 
    - To assign the desired bells to the program, please make sure that the MxDisplay is running software release 2.1 or higher.

Connecting the MxDisplay+ to the Frame

1. Prepare Installation Cable
   - Cut the wire ends to length. Open the cover on the back of the MxDisplay+ and push the wire ends through the holes in the frame until they touch the signal inputs/outputs as indicated on the stickers on the FlatMount Frame. 
   - After all wires are connected, close the cover on the back of the device (with a network mask of 255.0.0.0).

2. FlatMount Frame
   - Connect Wires:
     - After the installation cable has been attached to the signal inputs/outputs, connect the MxDisplay+ and – optionally – a compact gate frame to the Frame with an MxDisplay+.
   - When connecting a contact with DC power supply (e.g., doorbell), you need to use a bell module (see BellRFID Access Module). 

3. Insert the FlatMount Frame into the opening. Make sure that the red knob points at the "open lock" icon and that the red knob is on the left side. When attaching the FlatMount Frame, make sure that the arrow on the flat mount frame points downwards.

4. Tighten the screws. Make sure that you do not overtighten the screws. By tightening the screws, the clamping brackets automatically engage into the notches of the housing. 

5. Measure the thickness of the material. Cut the long clamp to the correct length. Attach the clamp to the FlatMount Frame with the screws. 

6. Insert the BellRFID Access Module.
   - When connecting the BellRFID Access Module, make sure that the RFID function is not hampered and – at worst – can even destroy the RFID chip.
   - If the BellRFID module is attached to the FlatMount Frame, the RFID function is automatically activated.

   - Connect the flat mount frame with MxDisplay+ and one or more connected signal inputs or outputs, you also need to assign the doorbell button to the program. 
   - To assign the desired bells to the program, please make sure that the MxDisplay is running software release 2.1 or higher.

8. Power: Auto configuration: 
   - Carry out the auto configuration at the door station (see Section 2.1.3, "Start the Auto Configuration"). 
   - Once the MxDisplay+ is running, it has to be set up as a WiFi client (see «Connect WiFi Network Connection, External Two-Wire Power Supply»). 
   - To assign the desired bells to the program, please make sure that the MxDisplay is running software release 2.1 or higher.

9. Power: Auto configuration: 
   - The BellRFID module is activated by entering the Super PIN at the access device. 
   - After entering the Super PIN, the BellRFID module is activated and the RFID function is immediately activated.

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    - To assign the desired bells to the program, please make sure that the MxDisplay is running software release 2.1 or higher.