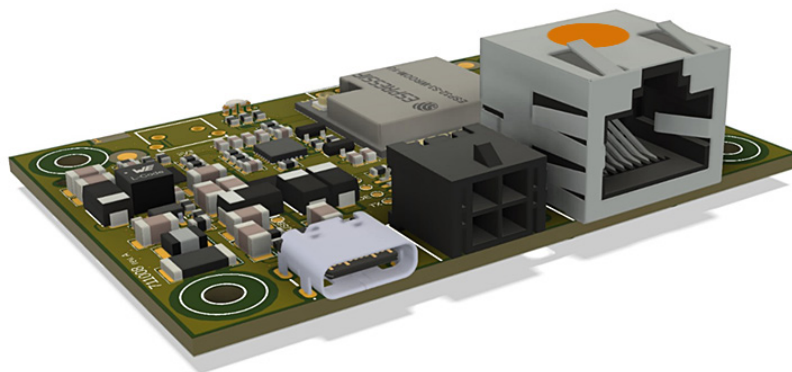




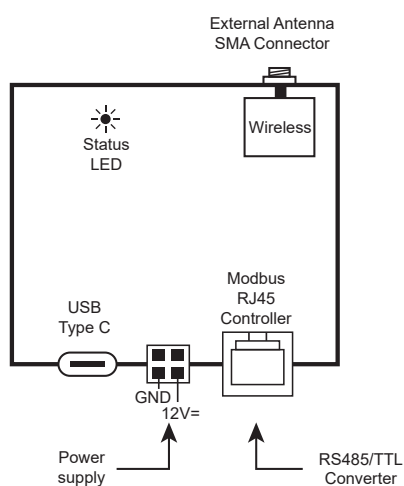
Air Connect Unit

Order no: 900229.001

As of: 27.03.2025



Wiring diagram



Housing



Product description

The “**Air Connect Unit**” module is used to integrate a Modbus compatible controller into the wireless “Air Connect Mesh”.

The pairing mode is activated by power supply on.

The status LED shows the internal state of the device (initializing, scanning, running, error) and has the following meanings:

- | | |
|------------------------|---------------------------|
| • 0: LED OFF | Startup |
| • 1: LED BLUE | Scanning Modbus |
| • 2: LED FLASHES GREEN | OK |
| • 3: LED FLASHES RED | Error on Air Connect unit |
| • 4: LED FLASHES BLUE | Error on Modbus (Unit) |

Power supply: 12V = No reverse polarity protection!

Connectors: USB-C,
MolexMicrofit4P,
RJ45

PCB size: 65 x 45 mm



Use of wireless communication technologies

This device employs the physical layer of IEEE 802.11 b/g/n (WiFi) for wireless communication.

The communication module is capable of, and certified for, Bluetooth communication, but this functionality is disabled at all times.

No other wireless communication is used at any time.

FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To comply with FCC and Industry Canada RF radiation exposure limits for general population, the antenna(s) used for this transmitter must be installed such that a minimum separation distance of 20 cm is maintained between the radiator (antenna) and all persons at all times and must not be co-located or operating in conjunction with any other antenna or transmitter.