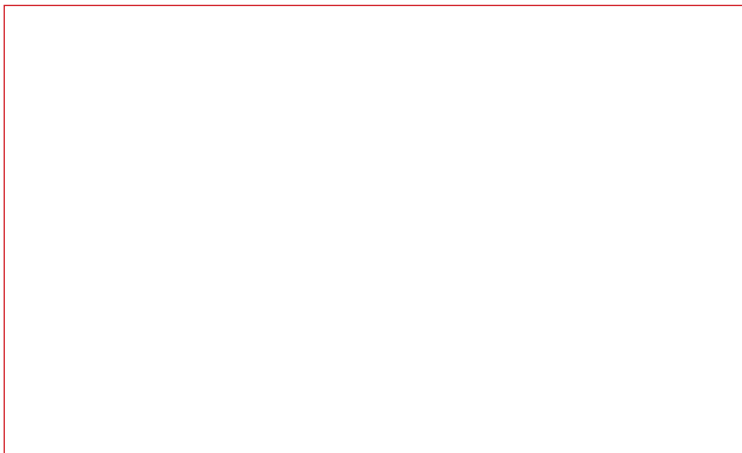


Hardware Datasheet

Ref: Mesh-3 Connect-2

Mesh - 3 Connect - 2



Manufacturers Details

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Overview

The Connect-2 is a Bluetooth 5 (and BLE) processor board with 2x AUX connector and 1 relay output. The AUX connectors allow connection of remote sensors and other devices. The Connect-2 is powered by a 100-250Vac supply.

Processing

The Connect-2 includes a Nordic Bluetooth™ 5 Processor that enables local processing. This enables basic room controls including:

- Local light switch control of lights
- Local temperature controller to connected heater/cooler
- Local window controller to connected window motor
- Local shading controller to connected blinds/curtains/shutters.

Outputs

The Connect-2 has a number of possible outputs that can be included depending on need:

- 1No 1Amp 250Vac relays
- Each AUX connector has -
 - Up to 6No. Digital inputs and outputs (3.3Vdc)
 - Serial communications output with a 3.3Vdc, 500mA supply - Modbus, I2C, Profibus. specialist serial protocols on request.
- On AUX1 there is also Serial communications output with a 3.3Vdc, 500mA supply - Modbus, Profibus. specialist serial protocols on request.
- Bluetooth™ (BLE & 5) compatible devices.

Mesh - 3 Connect - 2

Installation Information

The SU can be installed by any qualified electrician. The SU is either powered from a 100-250Vac supply or a POE connection from a local network switch (IEEE 802.3af). The sensor unit is in white plastic which is paintable.
Ceiling mounted in the corner of the room (ideally 1m x 1m from corner and PIR has a clear 'view' of the room).
Max room size - 9m x 9m
Cable entry from the side or through the base of the unit.

Environmental

Humidity: 10 to 90% RH
Temperature: 5 to 40 C
Water/dust protection: IP20.

The SU is part of an Atamate smart building installation. This is to be designed and commissioned by Atamate Partners.

