

LoRa Gateway Installation

Before mounting the Gateway please note the following:

- The Kona Micro Gateway is intended for indoor use only.
- The Kona Micro Gateway has no internal field serviceable parts other than the battery. Other than installing or replacing the battery, the Gateway module must only be opened by an approved TEKTELIC service center.
- All installation practices must be in accordance with the local and national electrical codes.
- Ensure that the Kona Micro Gateway is located to eliminate any physical hazard to people or property.
- The Kona Micro Gateway shall be powered from the supplied AC-DC power adaptor.
- Do not cover the Gateway or in any way obstruct airflow through the enclosure openings.
- The Kona Micro Gateway may as an option contain a built-in battery. The Gateway may continue to operate after the DC power connection is removed. To completely power down the Gateway when optional battery backup is present, both the DC power source and the battery must be disconnected.
- If the battery needs replacement, use only a replacement battery provided by Tektelic Communications Inc. After battery installation, ensure that the battery cover is secured using the supplied battery cover securement screws. Dispose of old batteries in accordance with regulatory requirements.

Mounting instructions

Kona Micro Gateway Mounting Kona Micro Gateway can be placed on a flat surface or can be mounted to a wall with M3 screws to locations on the back of the module illustrated in Figure 1.

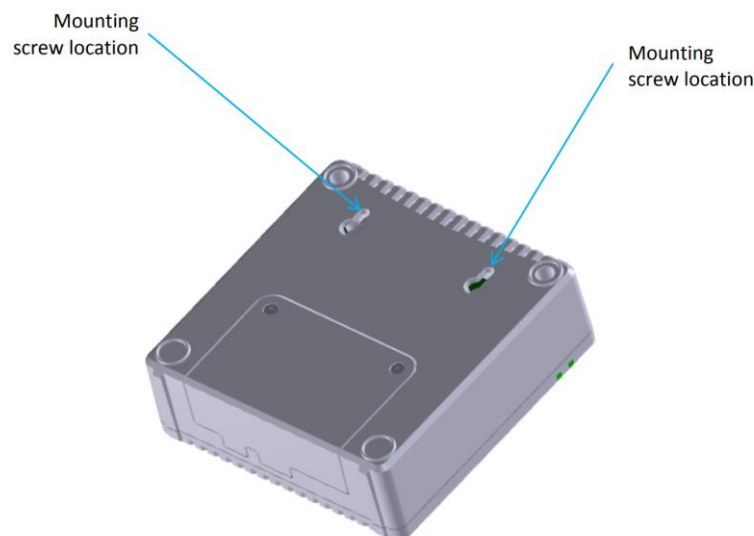


Figure 1. Mounting screws location

While wall mounted, the Gateway module must be oriented with the TEKTELIC logo horizontal, parallel to the earth as shown in Figure 2.



Figure 2. Module Wall Mounting Orientation

Ensure that the wall on which the Gateway is being mounted is secure, flat and able to support a load of at least 0.5 kg (1.1 lbs).

The Kona Micro Gateway wall mounting procedure is as follows:

1. Install the M3 screws into the wall.
2. Install 2 site supplied M3 screws into the wall at 60 mm (2.4") center spacing, leaving the screw heads protruding with a 3 mm gap from the wall surface.
3. Hang the Kona Micro Gateway by mounting the two to keyhole slots onto the screws.

Connecting the gateway

Connect the supplied AC-DC power adaptor, LoRa RF Antenna and Ethernet cable to the Gateway, see figure 3 below.

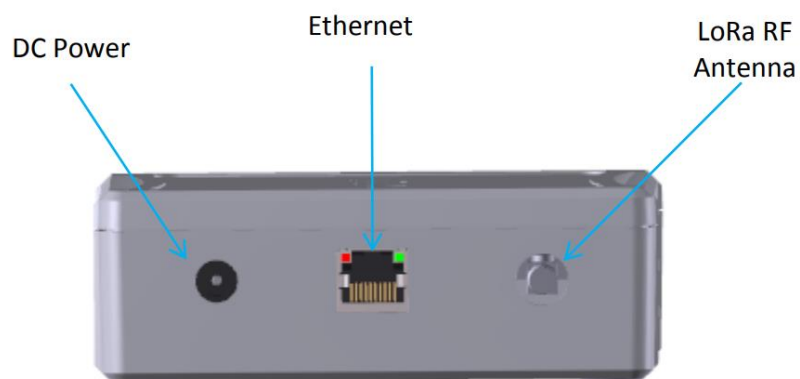


Figure 3. Ports on Gateway

LED States

The following table describes different LED behaviors. The Kona Micro has two LEDs located on the module top edge. One of the LEDs will always indicate red or off and one will always indicate green or off.

Table 1: Gateway LED States

LED State	Function	Duration
Both LEDs off	No power to gateway	Until power is applied
Flashing green	Gateway is initializing	Typically < 2 minutes*
	No downlink packets for 10 minutes	Until a downlink transmission occurs
Solid green	Normal operation	Continuous operation
Solid red	Gateway fault, requires service	Until fault is cleared