SmartEdge Industrial IoT Gateway
Quick Start Guide

POWER INPUT

An external power supply is required. Rating: 12VDC to 24VDC (+/- 10%), 18W minimum, 24W recommended, LPS (Limited Power Source). Use 16-22AWG power supply wiring, stripped back 4-5mm, twisted & optionally tinned. Find the black, 3 position terminal plug in the included hardware kit (under the foam in the box). Insert the prepared wires into the terminal plug, observing proper location. The wire polarities are indicated on the enclosure and shown below. An Earth GND wire is recommended (not included).

Signal	DC Input
⏚	Earth GND
-	0V (GND)
+	12-24VDC

CAUTION: Verify terminal block wiring is correct, tight, and with no bare wiring exposed

INSTALLATION

Follow this installation process to connect your Avnet SmartEdge IIoT Gateway to the cloud.

1) Connect your SmartEdge Gateway to your Ethernet network, if available, by using one of the two Ethernet Ports. If using wireless, this will be set up in a later step.

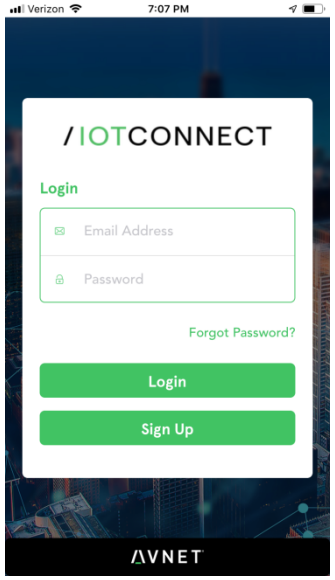
2) Insert the correctly wired power supply plug to start the unit

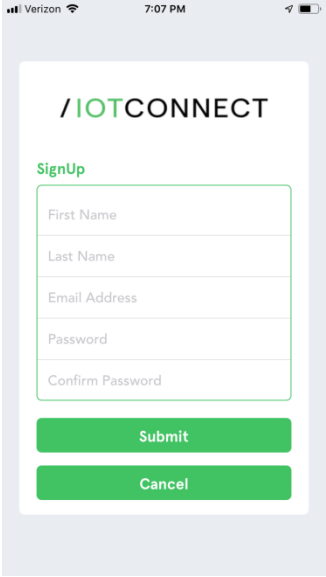
3) Refer to the online datasheet at https://element14.com/gateway for detailed information on the remaining hardware connections.

4) Download the Avnet IoTConnect mobile application to register your SmartEdge Gateway with the IoT Connect cloud. Refer to the web portal at https://element14.com/gateway for App Store links

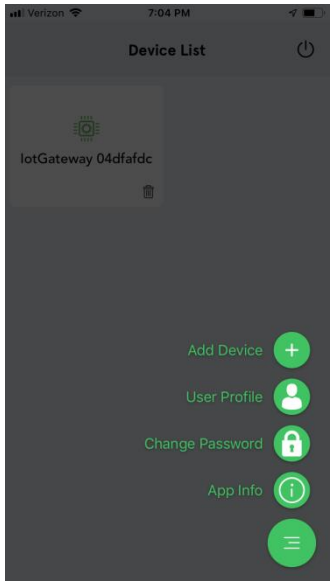
5) Launch the App and enter your Login email and password, or press Sign Up

6) Sign Up for a new account by entering your details

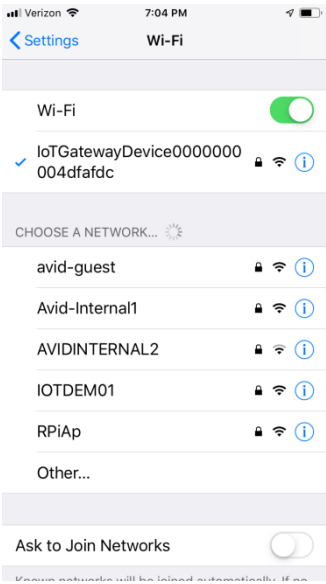




7) To add a device, tap lower right symbol , then tap "Add Device" +

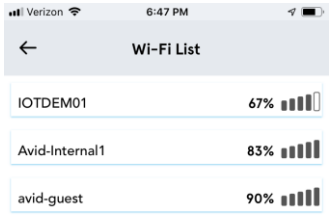


8) Connect your mobile's WiFi to the "IotGateway xxxxxxxx", WiFi Password is "IoTConnect" (case sensitive)

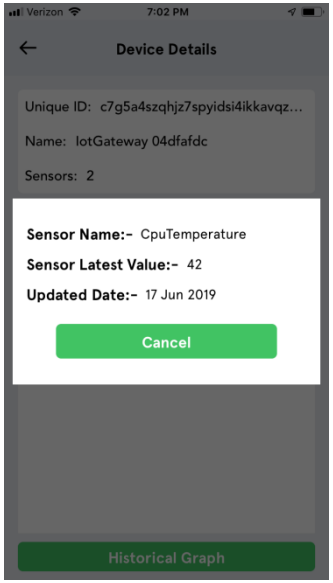


9) Optionally, connect your SmartEdge Gateway to your local WiFi network

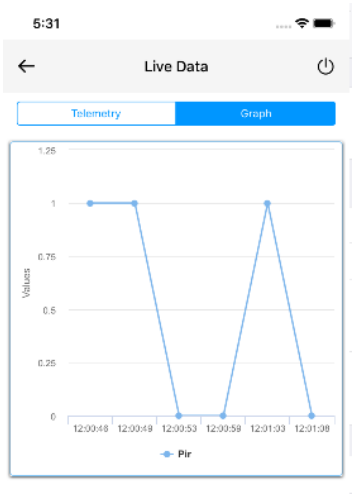
10) After a minute, you should see your device listed in the Device List



11) Tap your device to see the device details

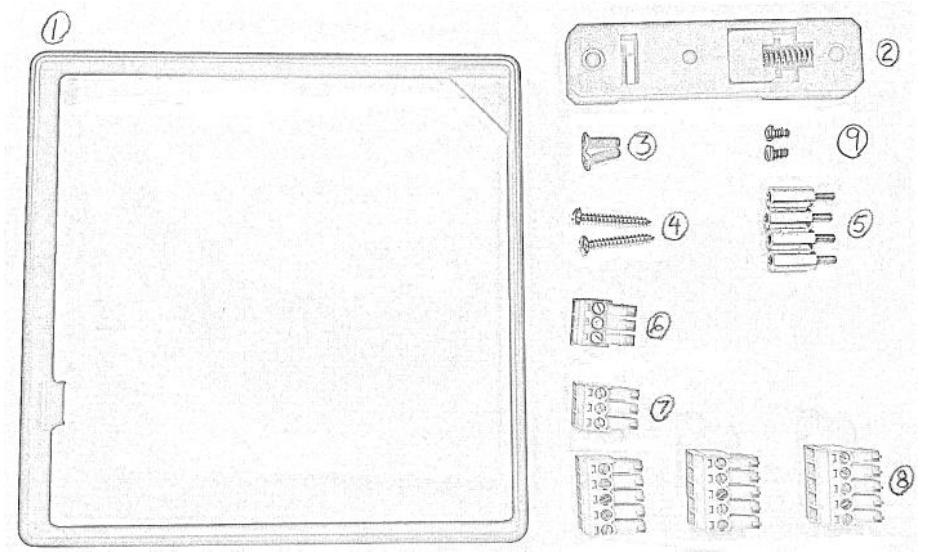


12) Tap the sensor to view sensor readings



13) View your sensors from the Avnet IoT Connect Web Portal: https://avnet.iotconnect.io

PARTS KIT



A parts kit is included in the box with the following items:

1. Extension ring (1): install to increase height of enclosure for HATs
2. DIN Rail Mount (1): install with flat head screws (2) for DIN Rail mounting
3. Flat Head Screws (2): use to secure the DIN Rail Mount
4. Wall Mount Screws (2): install into wood or metal, placed 97mm apart vertically
5. Standoffs (4): install on top of existing standoffs when using extension ring
6. 3 Position Terminal Block (1), Black: use for DC-IN connection
7. 3 Position Terminal Block (1), Green: use for CANbus connection
8. 5 Position Terminal Block (3), Green: use for Digital I/O and RS485 connection
9. Pan Head Screws (2): use to secure a HAT onto the Gateway