



FUEL CLOUD



Kiosk Lite

Installation Manual

Manual Version 1.0
Revised 4/25/24



Welcome to FuelCloud!

This installation guide contains all of the information you need to install your hardware, create your online account, and begin using FuelCloud.

Before beginning physical installation of your FuelCloud hardware, create an account at fuelcloud.com and register your device's serial number to your account. Physical installation cannot be completed without an online account.

For help on the FuelCloud website, please see the Quick Setup Guide video on the dashboard.

Get the installer app today!



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Privacy Statement

FuelCloud is committed to protecting user's privacy. For more information about FuelCloud's privacy policy, please review our full terms and conditions at: fuelcloud.com/privacy-policy



FCC Statements

Find complete details of our FCC compliance at: fuelcloud.com/fcc-compliance



Terms and Conditions

For a complete terms and conditions, including warranty disclaimers visit: fuelcloud.com/terms-condition



Compatibility & Specs

Power Input	100-240VAC 50/60 Hz 220W
Dimensions	Height: 17.00" (43.1800cm) Width: 30.00" (76.2000cm) Depth: 5.15" (13.0810cm)
Temperature Ratings	-40°F to 140°F (-40°C to 60°C)
Humidity	5-90% non-condensing
I/o	Gigabit Ethernet Wireless AC 2x2 Bluetooth 4.0 Cat4 LTE 1x USB 3.0 3x USB 2.0 2x RS232 VGA Out HDMI Out

Declaration of Conformity:

Hereby, FuelCloud, declares that this Kiosk Lite is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

FuelCloud vakuuttaa täten että Kiosk Lite tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

Hierbij verklaart FuelCloud dat het toestel Kiosk Lite in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

Bij deze verklaart FuelCloud dat deze Kiosk Lite voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

Par la présente FuelCloud déclare que l'appareil Kiosk Lite est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

Par la présente, FuelCloud déclare que ce Kiosk Lite est conforme aux exigences essentielles et aux autres dispositions de la directive 2014/53/EU qui lui sont applicables. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

Hiermit erklärt FuelCloud, dass sich dieser/diese/dieses Kiosk Lite in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 2014/53/EU befindet". (BMW) The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ FuelCloud ΔΗΛΩΝΕΙ ΟΤΙ Kiosk Lite ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

Con la presente FuelCloud dichiara che questo Kiosk Lite è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

Por medio de la presente FuelCloud declara que el Kiosk Lite cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]

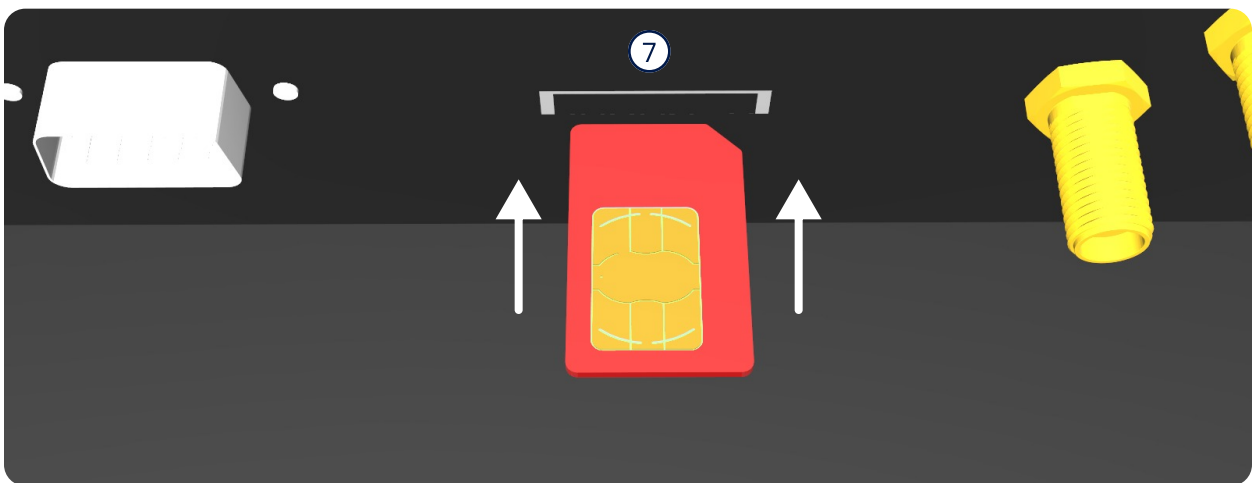
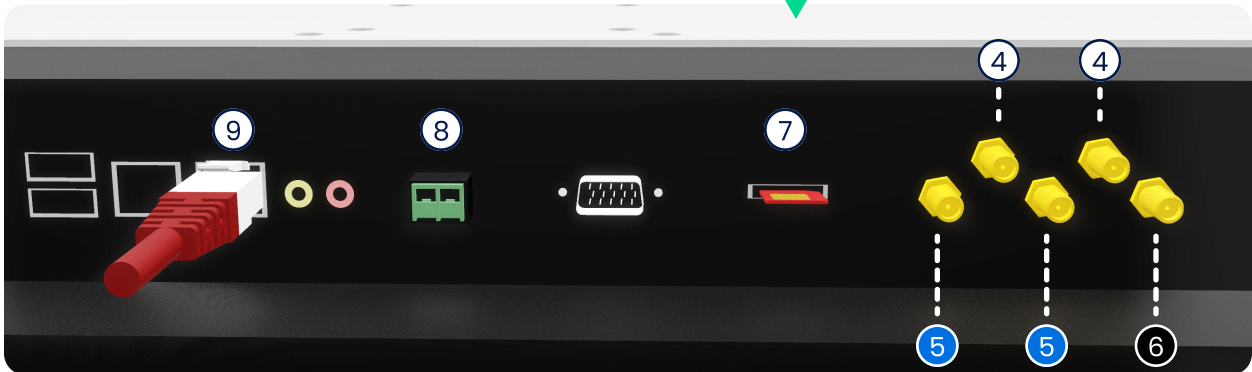
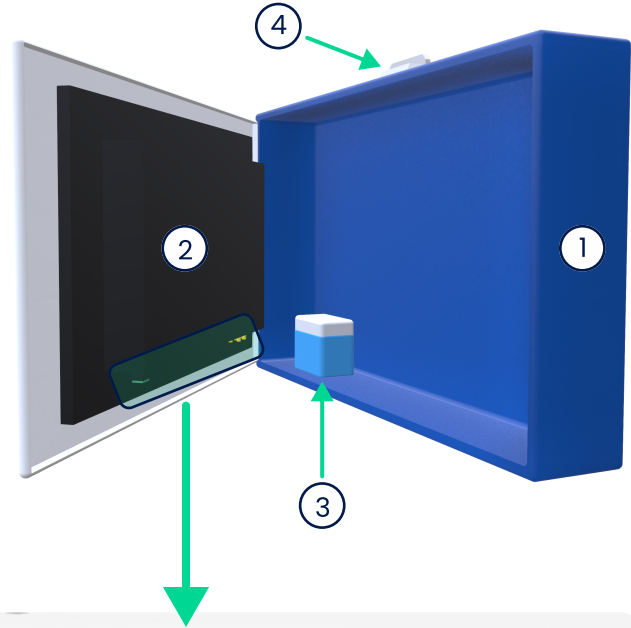
FuelCloud declara que este Kiosk Lite está conforme com os requisitos essenciais e outras disposições da Directiva 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [URL of DoC]



BEFORE INSTALLATION

Components Overview

- ① Kiosk Lite body
- ② Kiosk Lite screen
- ③ AC to 12VDC power supply
- ④ Wi-Fi antenna connections
- ⑤ Cellular antenna connections
- ⑥ GPS antenna connection
- ⑦ SIM card input
- ⑧ DC barrel jack
- ⑨ Ethernet input





BEFORE INSTALLATION

Hardware and Install Warnings

Installations must be in accordance with the National Electrical Code (NFPA No. 70) and the Automotive and Marine Service Station Code (NFPA No. 30A). The installer is responsible for investigating and following any applicable local codes.

Restricted Access:

Access can only be gained by service persons or by users who have been instructed about the reasons for the restrictions applied to the location and about any precautions that shall be taken.

Access is through the use of a tool or lock and key, or other means of security, and is controlled by the authority responsible for the location.

Hazardous Area (Where not to mount the CloudBox):

Do not mount the Kiosk Lite or any FuelCloud device within the hazardous / classified area.

Hazardous Zones:

Dispensing Device	Class 1 Div 1	Class 1 Div 2
Compressed natural gas (CNG)	Entire space within the dispenser enclosure.	1.5 m (5 ft) in all directions from the dispenser enclosure.
Liquefied natural gas (LGN)	Entire space within the dispenser enclosure.	3 m (10 ft) in all directions from the dispenser enclosure.
Liquefied petroleum gas (LP-Gas)	Entire space within the dispenser enclosure; 450 mm (18 in.) from the exterior surface of the dispenser enclosure to an elevation of 1.22 m (4 ft) above the base of the dispenser; the entire pit or open space beneath the dispenser and within 6 m (20 ft) horizontally from any edge of the dispenser when the pit or trench is not mechanically ventilated.	Up to 450 mm (18 in.) above ground and within 6 m (20 ft) horizontally from any edge of the dispenser enclosure, including pits or trenches within this area when provided with adequate mechanical ventilation.

*Pulled from NEC 2018

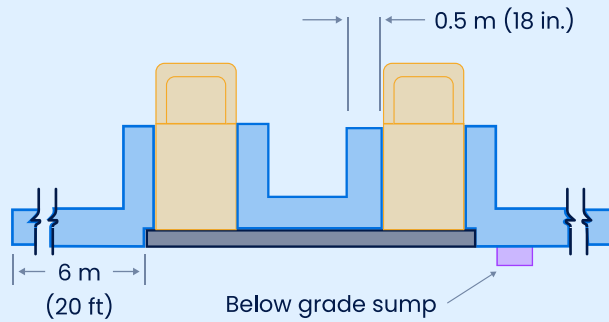
Additional Warnings:

External Devices: All peripheral equipment connected to the Kiosk Lite must be UL and CSA listed.

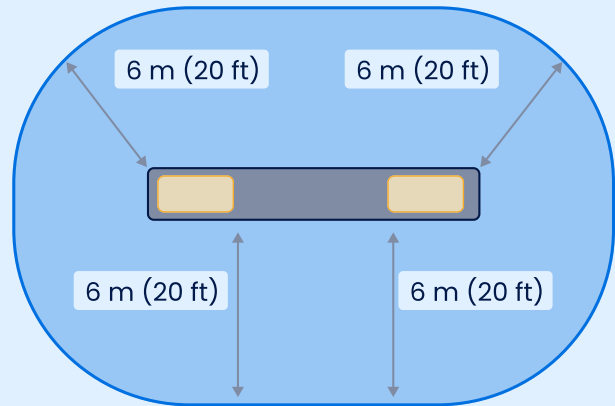
Hazardous Area Examples:

Classified Areas Adjacent to Dispensers:

SIDE VIEW

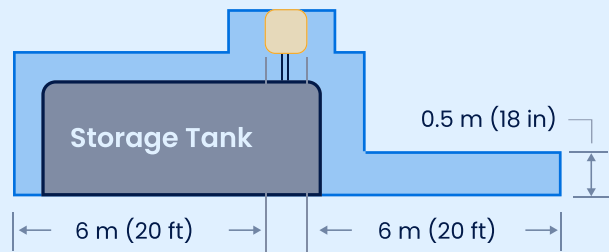


TOP VIEW

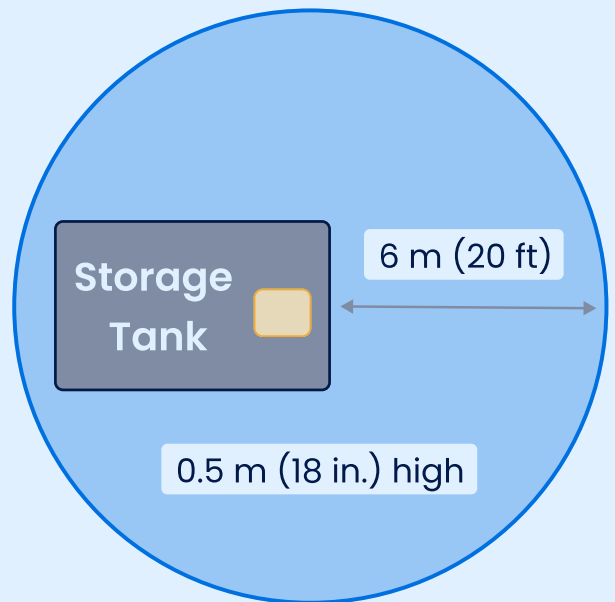


Classified Areas Adjacent to Dispenser Mounted on Aboveground Storage Tank:

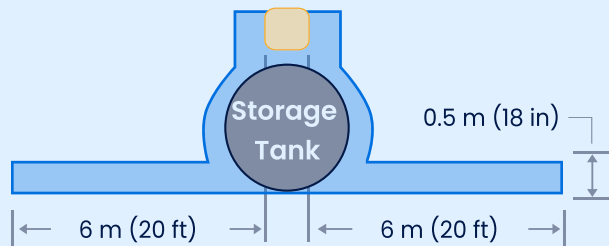
SIDE VIEW



TOP VIEW



END VIEW



Class 1, Div 2 or Class 1, Zone 2

Class 1, Div 1 or Class 1, Zone 1

Dispenser

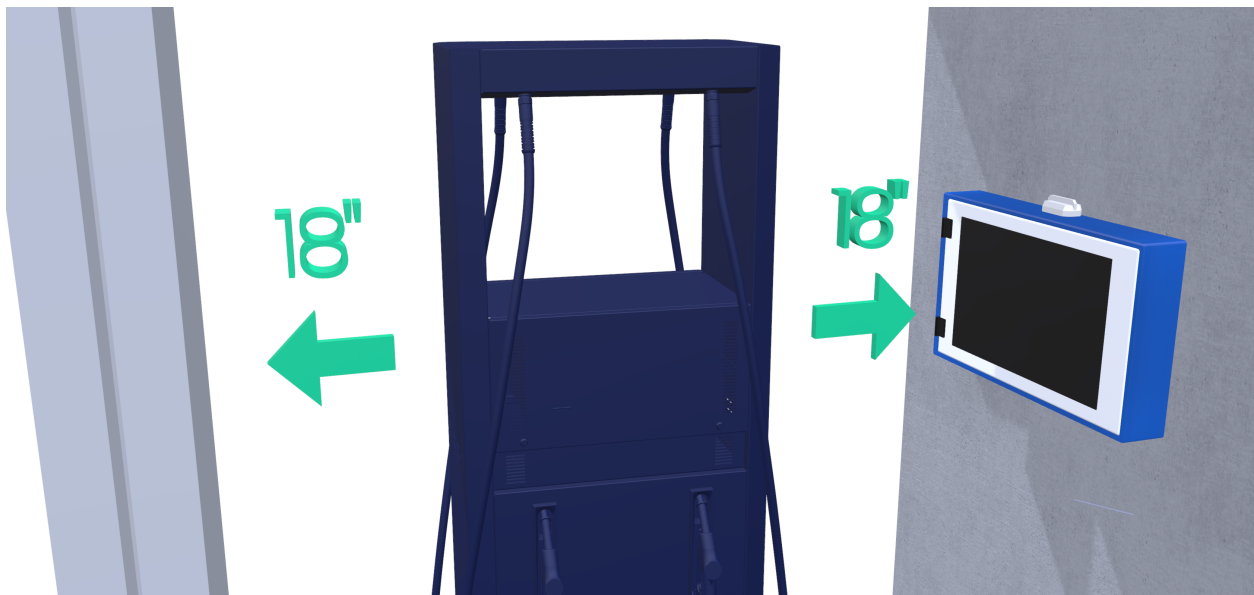
Note: Diagrams are not to scale.



BEFORE INSTALLATION

Identify Your Installation Location

The Kiosk Lite must be installed 18 inches away from all fuel dispensers and tanks. All conduits coming from hazardous areas must have seal-offs 18 inches above the hazardous zone. AC power is required. Choose a location where it is accessible.



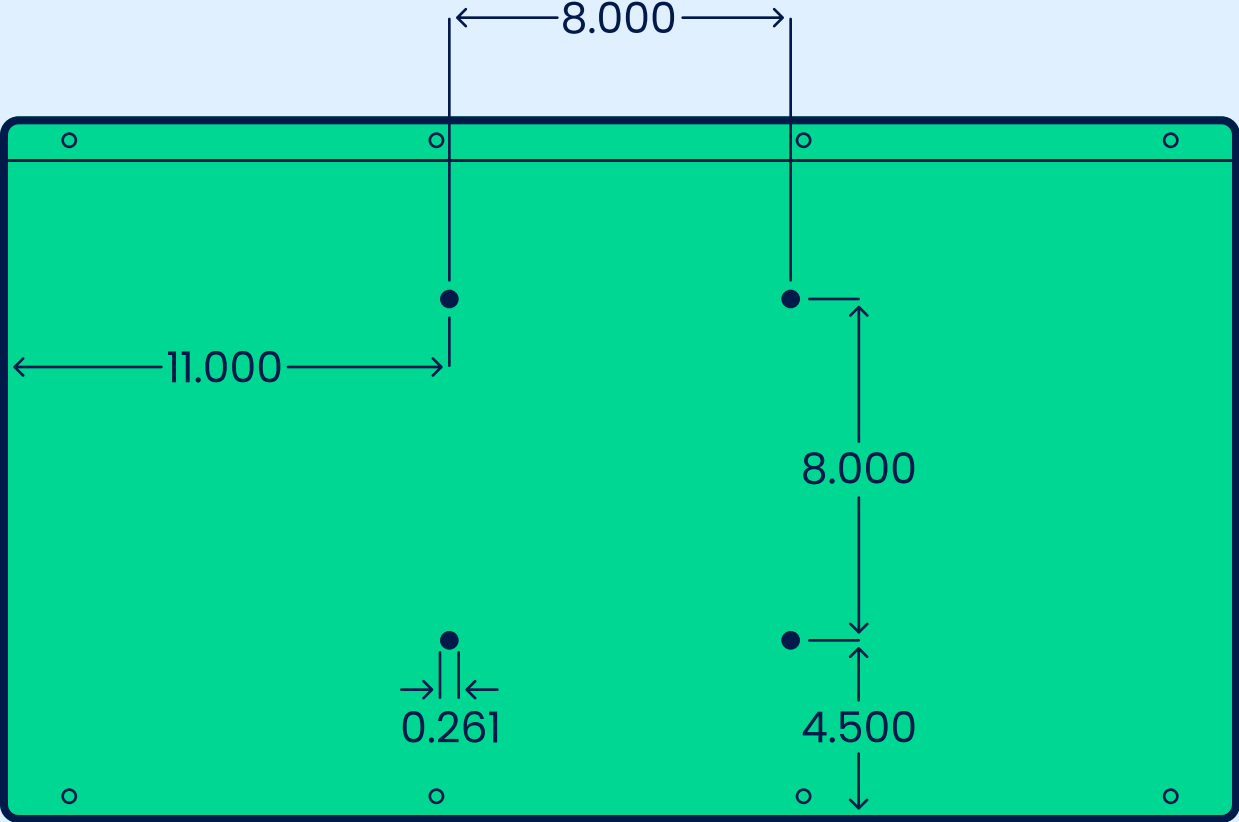
BEFORE INSTALLATION

Turn Power Off

Turn off all power to the Kiosk Lite at the breaker.



Kiosk Lite back mounted dimensions (in.) :



Kiosk Lite back mounted instructions:

- 1. Knock out the plugs on the back.
- 2. Mount the Kiosk Lite to a wall or brackets.

*Mounting hardware not included.



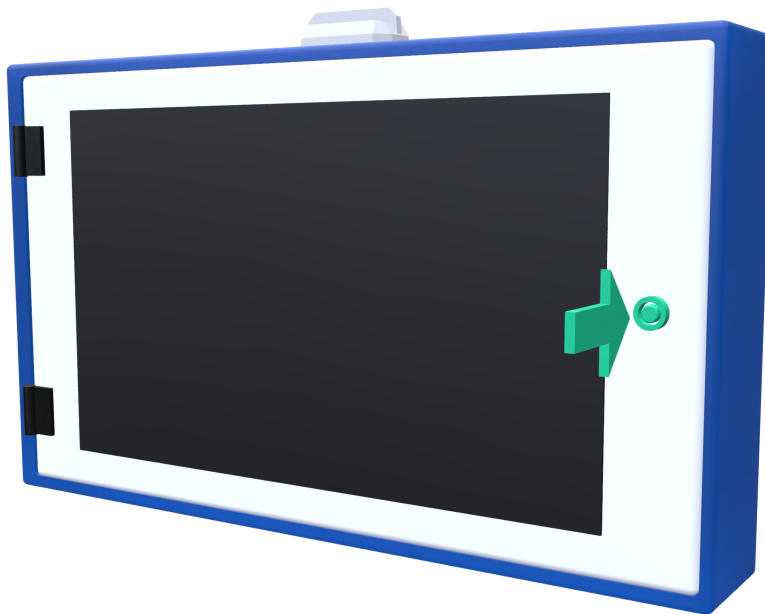
INSTALLATION

Power Wiring

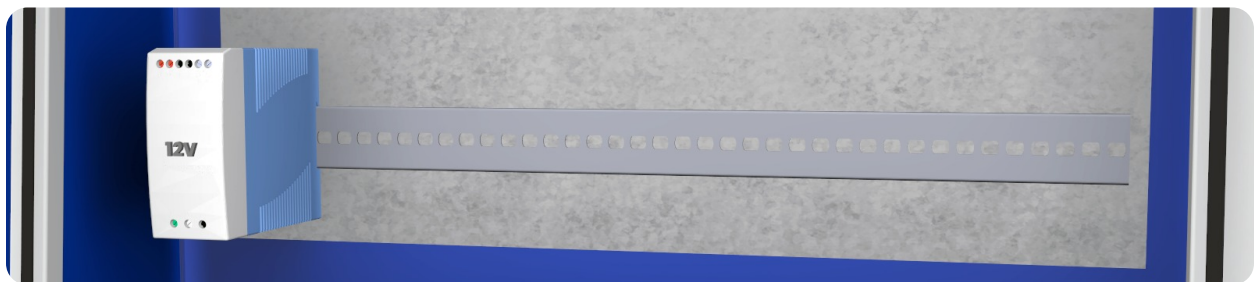


Warning: AC power and communication wires must be in separate conduits.

1. Unlock and open the Kiosk Lite panel.



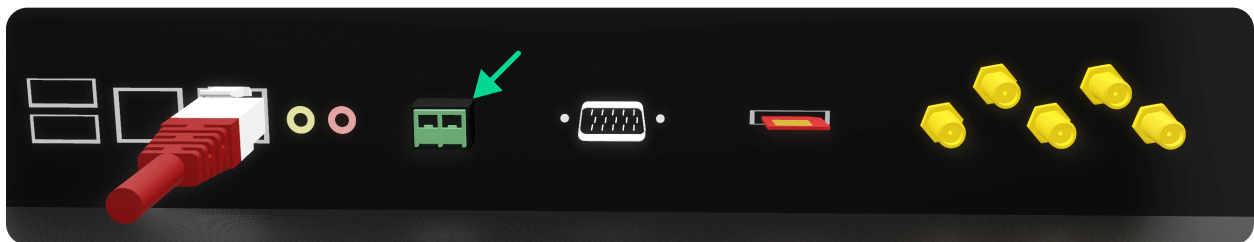
2. Mount MDR-60-12 power supply on the DIN rail.



3. Connect 110/220 VAC to L, N(L2), and G of the power supply.



4. Connect V+ and V- to the DC terminal on the screen underside.



Antenna connections:

5. Connect the Wi-Fi (white), cellular (blue), and GPS (black) antennas.



6. Close and lock the panel door.

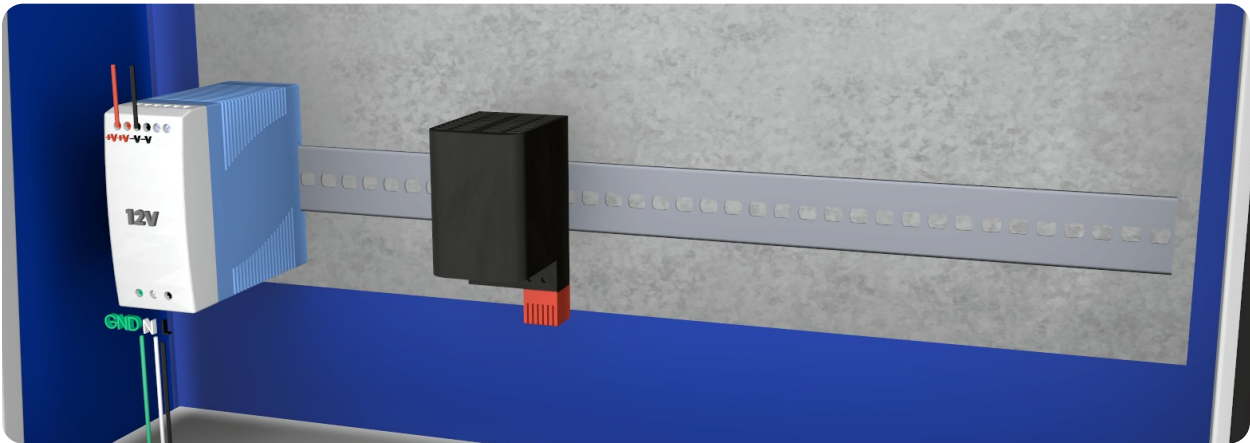


INSTALLATION

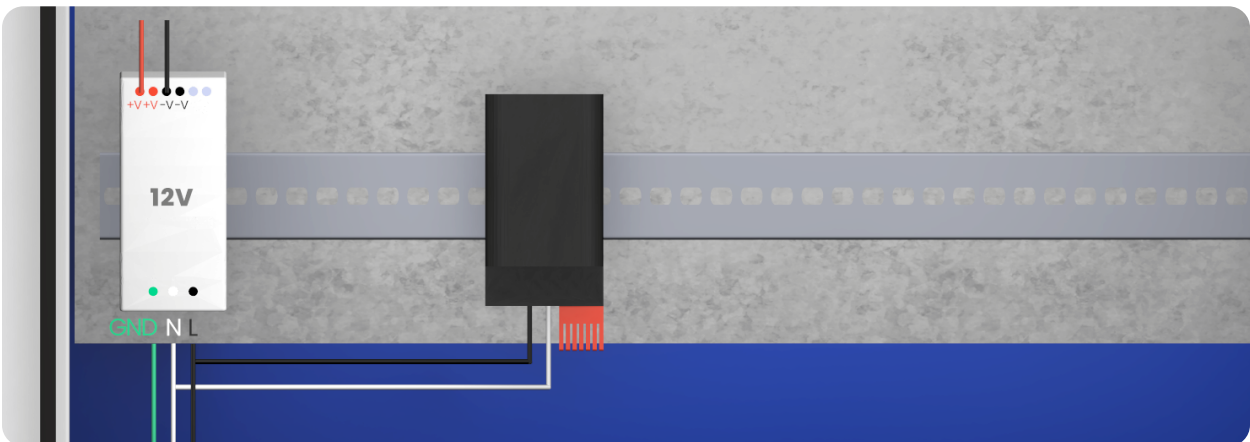
Optional Hardware

Install a heater:

1. Mount the included heater onto the DIN rail.

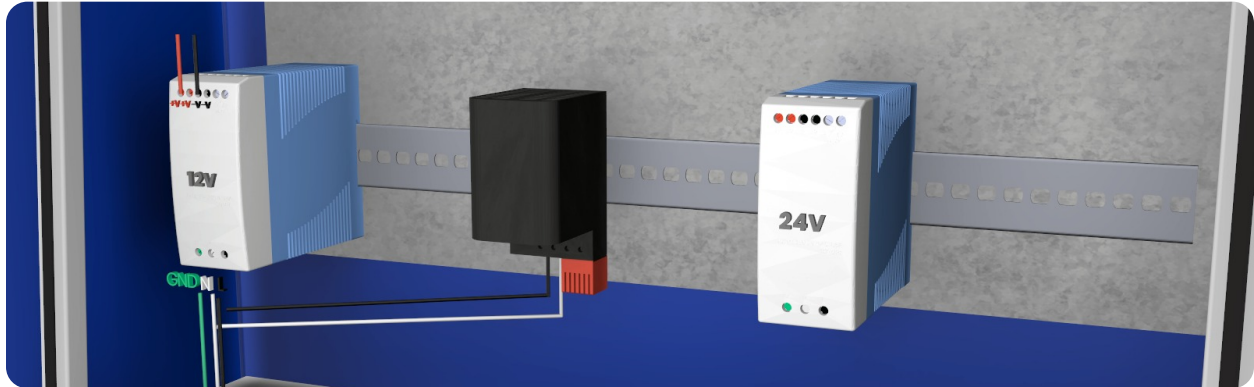


2. Connect 110VAC to the heater. Line connects to terminal 1 and neutral connects to terminal 2.

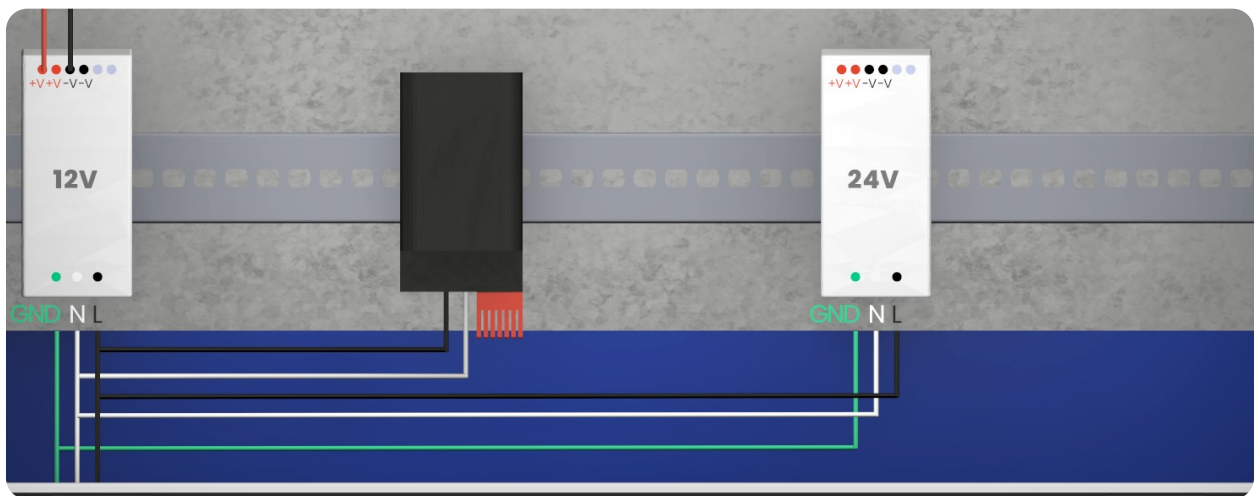


Install an ethernet switch:

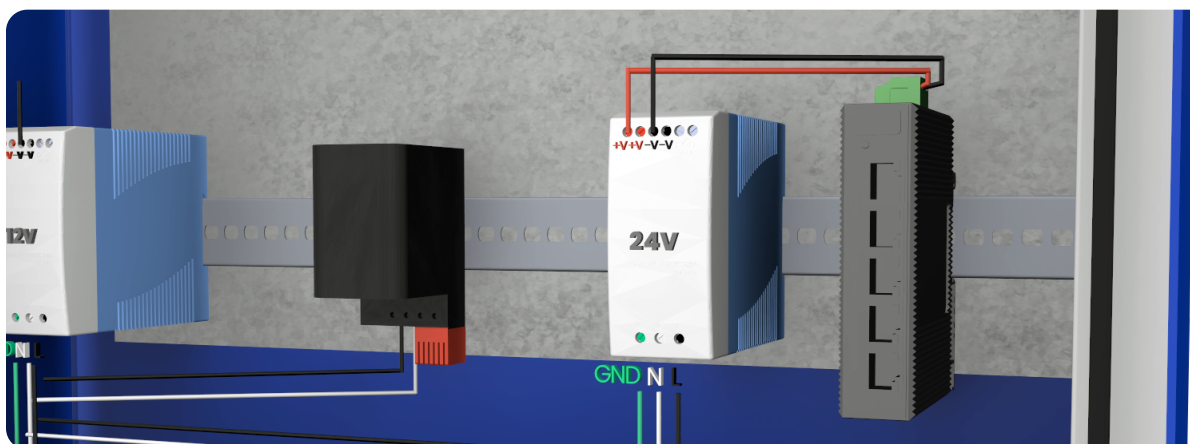
1. Mount the MDR-60-24 power supply on the DIN rail.



2. Connect 110/220 VAC to L, N(L2), and G of the power supply.



3. Connect V+ and V- to the DC terminal on the ethernet switch.

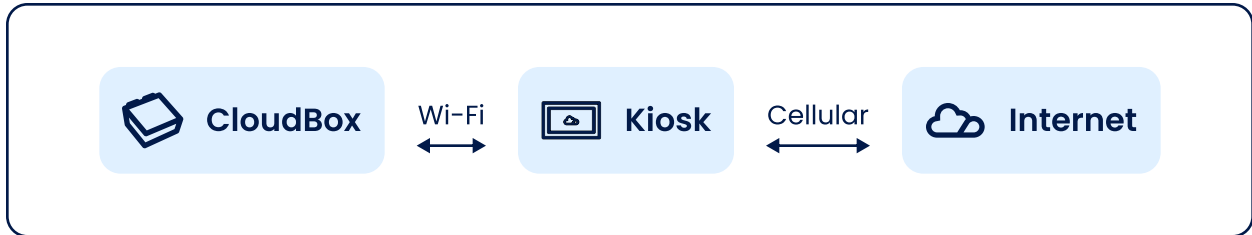




INSTALLATION

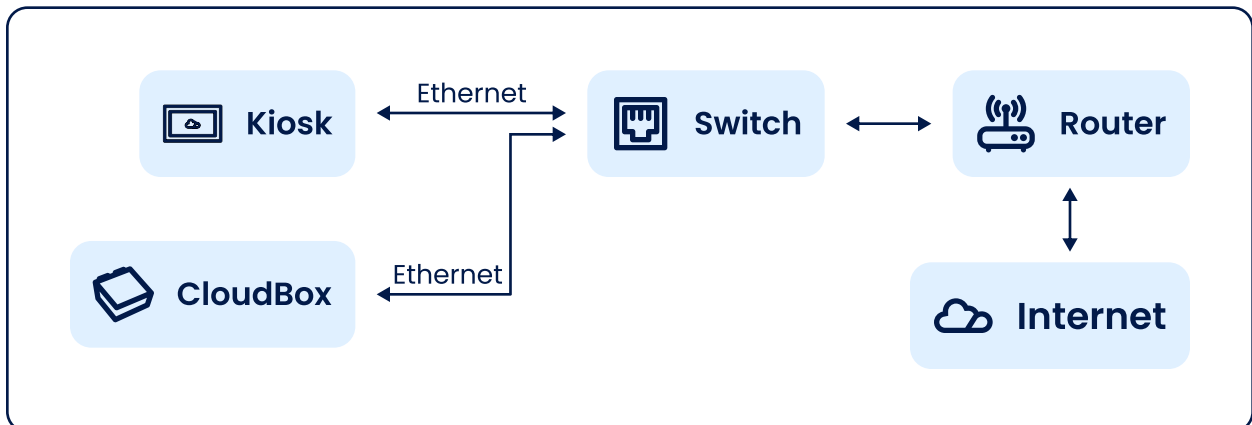
Internet Configuration

Cellular:



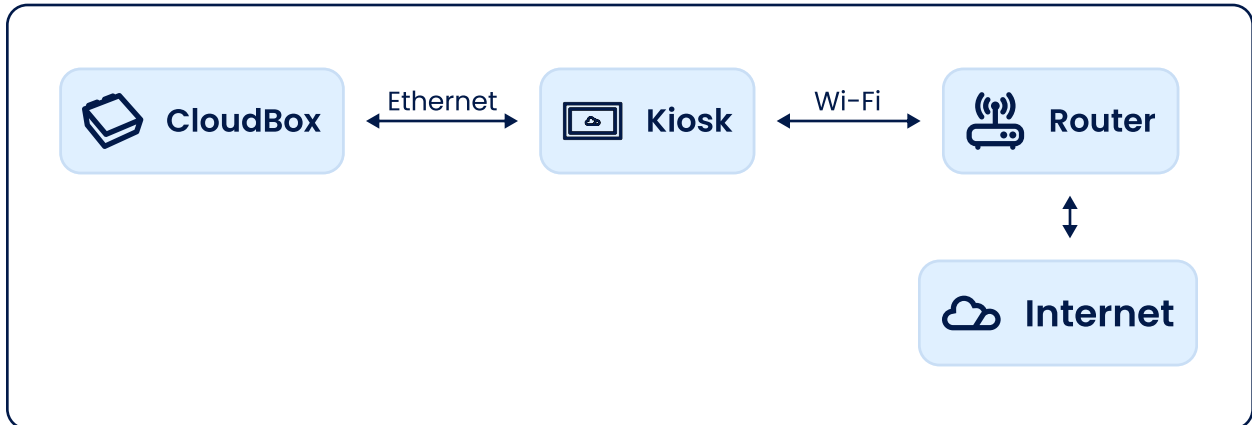
The FuelCloud Kiosk Lite can communicate with the internet through cellular. The Kiosk Lite will then communicate with the CloudBox over Wi-Fi.

Ethernet:



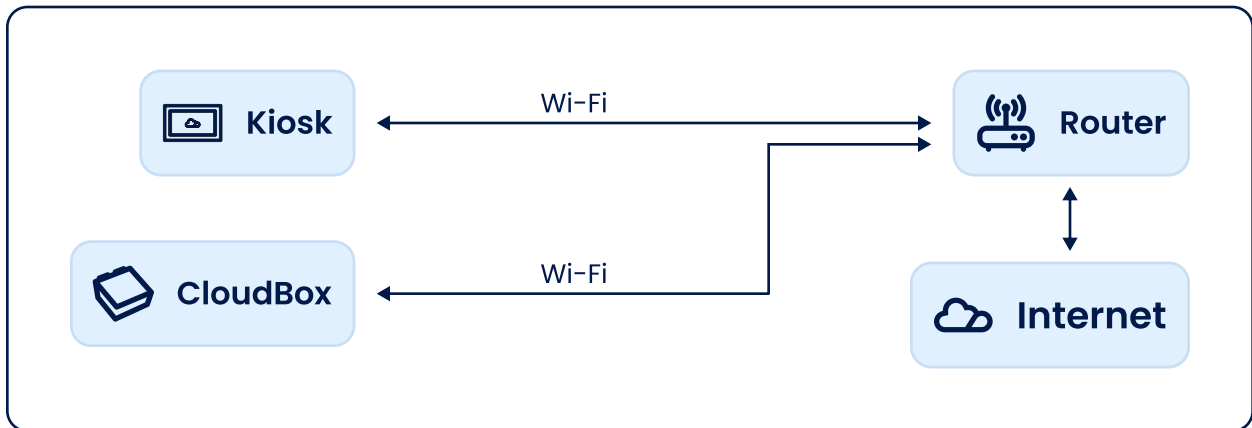
Connect the Kiosk Lite screen, CloudBox, and router to the ethernet switch via ethernet cable. If you did not purchase an optional ethernet switch, connect both directly to the router.

Wi-Fi:



If cellular and hardwired ethernet are not options for connecting the FuelCloud kiosk to the internet, the kiosk can be connected to a Wi-Fi network. The SSID and password must be known to bring the kiosk online. The CloudBox can be connected directly to the kiosk through ethernet.

Alternatively, the CloudBox can be connected to the same SSID:

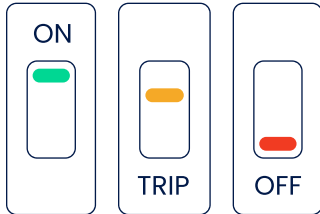




INSTALLATION

Power On & Verification

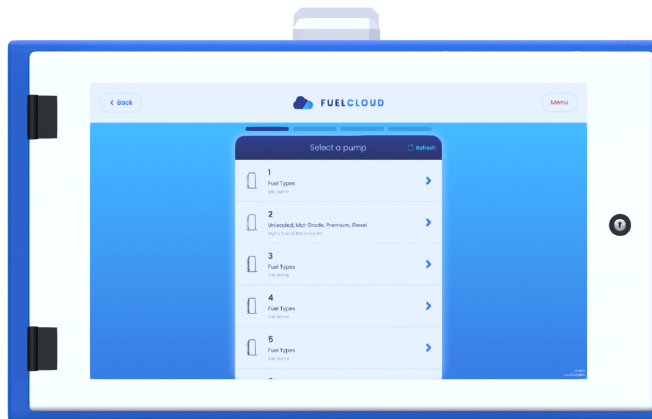
Turn on power to the kiosk at the breaker.



Kiosk should take about 5 seconds to start booting up:



Once you see a list of pumps on the screen, you're all finished!



There may be fog inside the screen that will burn off after an hour or so in daylight.



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