



3 Connect a power supply

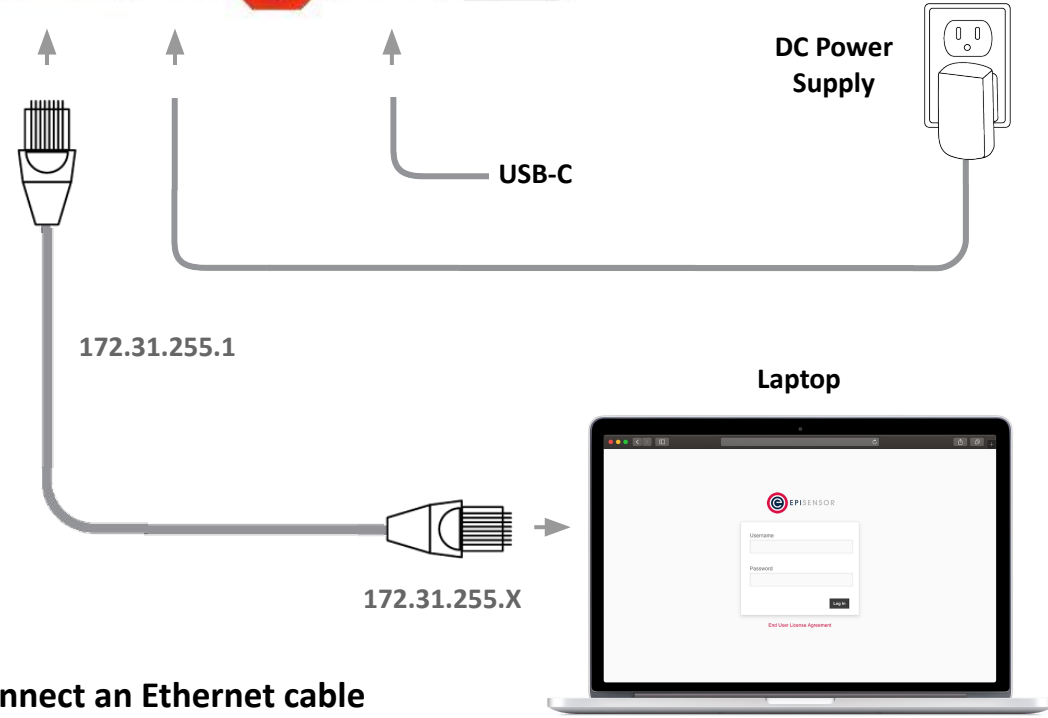
IMPORTANT
Connect only one power source at a time:

Either the DC terminals on the top side, the DC barrel jack on the bottom side (using the provided mains power supply), or USB-C.

1 Connect the ZigBee dongle to USB port 3 as shown here



2 Connect an Ethernet cable between the Gateway and a laptop



For instructions on configuring your Laptop, see the 'Quick Start' section of the EpiSensor Gateway User Guide (EPI-075-02)

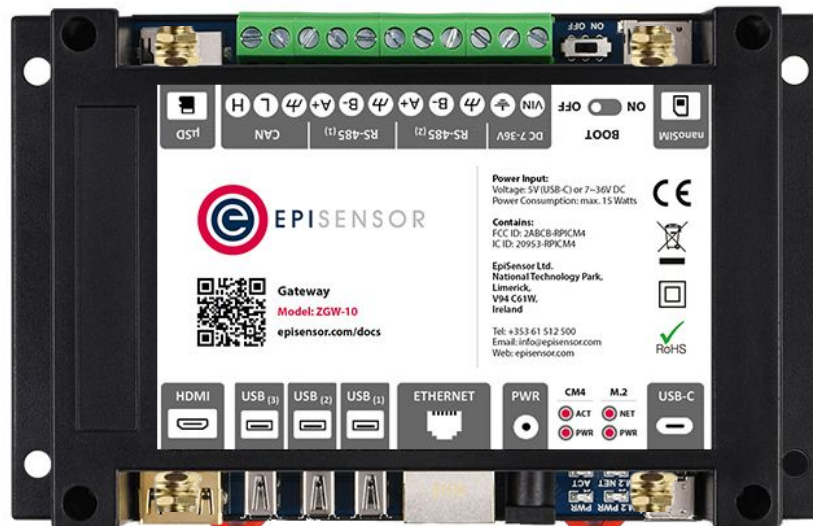
Installation & Safety Notes

- EpiSensor equipment should be installed, operated, serviced and maintained only by qualified personnel. EpiSensor does not assume any responsibility for any consequences arising out of the use of this equipment.
- The ZGW-10 Gateway is not designed for use in wet or dusty environments. If it is to be installed in a wet or dusty location, it must be installed in a panel box or enclosure with an Ingress Protection (IP) rating of IP54, IP65, or higher.
- To reduce the risk of electric shock, power to the DC+ and DC- terminals must be provided by a power supply or transformer/rectifier circuit that is designed with double-insulation. The power supply or power circuit source must comply with local codes and regulations; for example, in the USA, NEC Class 2 (SELV/limited energy circuit, or LPS circuitry). If powered by a battery, double-insulation is not required.
- When installing the Gateway, the responsible party or integrator shall use a supply voltage of 7-36 VDC with a minimum rated power output of 24 Watts.
- Ensure that the power source providing power to the Gateway is reliably grounded and filtered such that the peak-to-peak ripple component is less than 10 percent of the input DC voltage.
- When installing the Gateway, use a cable appropriate for the load currents: 3-core cable rated 5 A at 90°C (194°F) minimum, which conform to either IEC 60227 or IEC 60245. The system accepts cables from 0.8 mm to 2 mm. The maximum operating temperature of the Gateway is 70°C (158°F). Do not exceed this maximum temperature while operating the Gateway inside an enclosure. Internal heating of the Gateway electronics, other electronics, and the lack of ventilation inside an enclosure can cause the operating temperature of the Gateway to be greater than the outside ambient temperature. Continuous operation of the Gateway at temperatures greater than 70°C (158°F) may result in an increased failure rate and a reduction of the product life. Ensure that the maximum operating temperature of the Gateway when placed inside an enclosure is 70°C (158°F) or less.
- Always ensure that the available power source matches the required input power of the Gateway. Check the input power markings next to power connector(s) before making connections. The 7-36 V DC must be compliant with local Electrical Codes and Regulations.
- To ensure the protection provided by the Gateway is not impaired, do not use or install the system in any manner other than what is specified in the install sheet or user guide.
- The system is for installation in a suitable industrial enclosure (provides electrical, mechanical, and fire hazard protection).
- This product is designed for specific applications and needs to be installed by qualified personnel with RF and regulatory-related knowledge. The general user shall not attempt to install or change the setting.
- The product shall be installed at a location where the radiating antenna is kept 20 cm from nearby persons in its normal operation condition in order to meet regulatory RF exposure requirements.
- Use only approved antenna(s). Non-approved antenna(s) may produce spurious or excessive RF transmitting power which may lead to a violation of FCC/IC limits.

1 Secondary cellular antenna



2 Primary cellular antenna



3 GPS Antenna



4 Wi-Fi / Bluetooth Antenna



Installation & Safety Notes

- EpiSensor equipment should be installed, operated, serviced and maintained only by qualified personnel. EpiSensor does not assume any responsibility for any consequences arising out of the use of this equipment.
- The ZGW-10 Gateway is not designed for use in wet or dusty environments. If it is to be installed in a wet or dusty location, it must be installed in a panel box or enclosure with an Ingress Protection (IP) rating of IP54, IP65, or higher.
- To reduce the risk of electric shock, power to the DC+ and DC- terminals must be provided by a power supply or transformer/rectifier circuit that is designed with double-insulation. The power supply or power circuit source must comply with local codes and regulations; for example, in the USA, NEC Class 2 (SELV/limited energy circuit, or LPS circuitry). If powered by a battery, double-insulation is not required.
- When installing the Gateway, the responsible party or integrator shall use a supply voltage of 7-36 VDC with a minimum rated power output of 24 Watts.
- Ensure that the power source providing power to the Gateway is reliably grounded and filtered such that the peak-to-peak ripple component is less than 10 percent of the input DC voltage.
- When installing the Gateway, use a cable appropriate for the load currents: 3-core cable rated 5 A at 90°C (194°F) minimum, which conform to either IEC 60227 or IEC 60245. The system accepts cables from 0.8 mm to 2 mm. The maximum operating temperature of the Gateway is 70°C (158°F). Do not exceed this maximum temperature while operating the Gateway inside an enclosure. Internal heating of the Gateway electronics, other electronics, and the lack of ventilation inside an enclosure can cause the operating temperature of the Gateway to be greater than the outside ambient temperature. Continuous operation of the Gateway at temperatures greater than 70°C (158°F) may result in an increased failure rate and a reduction of the product life. Ensure that the maximum operating temperature of the Gateway when placed inside an enclosure is 70°C (158°F) or less.
- Always ensure that the available power source matches the required input power of the Gateway. Check the input power markings next to power connector(s) before making connections. The 7-36 V DC must be compliant with local Electrical Codes and Regulations.
- To ensure the protection provided by the Gateway is not impaired, do not use or install the system in any manner other than what is specified in the install sheet or user guide.
- The system is for installation in a suitable industrial enclosure (provides electrical, mechanical, and fire hazard protection).
- This product is designed for specific applications and needs to be installed by qualified personnel with RF and regulatory-related knowledge. The general user shall not attempt to install or change the setting.
- The product shall be installed at a location where the radiating antenna is kept 20 cm from nearby persons in its normal operation condition in order to meet regulatory RF exposure requirements.
- Use only approved antenna(s). Non-approved antenna(s) may produce spurious or excessive RF transmitting power which may lead to a violation of FCC/IC limits.