

QUICK START INFORMATION

iQunet Edge Gateway

SAFETY INSTRUCTIONS AND QUICK START GUIDE

Type: SERV199410-IPC-ED1432-EU868 **ID:** 199410

SAFETY INSTRUCTIONS

IMPORTANT: PLEASE RETAIN THIS INFORMATION FOR FUTURE REFERENCE

WARNINGS

- This product shall only be connected to an external power supply rated at **8~24VDC** (power consumption 22 W max.). Any external power supply used with the iQunet Edge Gateway shall comply with relevant regulations and standards applicable in the country of intended use.
- This product should be operated in a well-ventilated environment and the case should not be covered.
- This product should be placed on a stable cabinet.
- All peripherals used with the iQunet Edge Gateway should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met. These articles include but are not limited to keyboards, monitors, and mice used in conjunction with the iQunet Edge Gateway.
- Where peripherals are connected that do not include the cable or connector, the cable or connector used must offer adequate insulation and operation in order that the requirements of the relevant performance and safety requirements are met.

INSTRUCTIONS FOR SAFE USE

To avoid malfunction or damage to your iQunet Edge Gateway please observe the following:

- Do not expose it to water, moisture, or place on a conductive surface whilst in operation.
- Do not expose it to heat from any source; the iQunet Edge Gateway is designed for reliable operation at normal ambient room temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- The iQunet Edge Gateway is **not designed to be powered from a USB port** on other connected equipment, if this is attempted it may malfunction.

GETTING STARTED

For full set up and installation instructions please visit <https://iqunet.com/resources/user-manuals/>

- Mount the iQunet Edge Gateway on DIN rail (35mm). Mounting brackets for back or side installation are included.
- Install the External Dual Band **WiFi Antenna** hand tight only on the WiFi antenna connector.
- Install the External **LoRa antenna** hand tight only on the LORA antenna connector.
- Power with 8-28VDC / 18W max. power consumption
- Activate the hotspot: do **not** plug in a network cable for activating the hotspot.

LOGGING ONTO YOUR IQUNET EDGE GATEWAY

Log on to your iQunet Edge Gateway via hotspot or WebRTC:

Hotspot:

1. A WiFi hotspot is automatically created after 90 seconds once the iQunet Edge Gateway is connected to the mains. **To activate the hotspot, the ethernet cable must be unplugged and any USB LTE dongle removed.**
2. Select the hotspot (SERN-xxxxxxxxxxx) in the network center on your PC or mobile phone and click Connect. The hotspot's password is the Sensor Proxy ID (server-xxxxxxxx). The Sensor Proxy ID is provided by iQunet.
3. Open a new browser page. Browse to **192.168.42.1:8000/dashboard/app** to open the iQunet Sensor Dashboard.

WebRTC:

1. Install a network safely connected to internet by using the above Hotspot functionality in the "Wired" or "Wifi" tab of the dashboard.
2. Alternatively plug in the USB-LTE dongle into the USB port. LTE connection is made upon a steady green light is available on the LTE dongle.
3. Connect your PC to the internet. Surf to **connect.iqunet.com**. Log in with your Google account or create a new account using your email address.
4. Click on "Add Server Node". Enter the Sensor Proxy ID (server-xxxxxxxx) and provide an alias name for the Edge Gateway. Click "Save". The Sensor Proxy ID is provided by iQunet.
5. Click on the created server node to open the iQunet Sensor Dashboard.

OPTIONAL: Direct (peer-to-peer) Ethernet connection: (TP-Link dongle required)

1. Power your iQunet Edge Gateway
2. Insert the TP-Link UE300 USB dongle in the iQunet Edge Gateway UDB port
3. Install a network cable between your PC and the TP-Link connector (peer-to-peer)
4. *(in the background, the gateway starts running DHCP, as an isolated private LAN)*
5. On your computer
 - a. Windows OS:
 - i. Press WIN+R, type `cmd`, press Enter
 - ii. Type in the command line: `ipconfig`, and press Enter
 - iii. Under your active Ethernet adapter, note **xxx** and **yyy** from the IPv4 Address: e.g. 10.xxx.yyy.zzz
 - b. Linux OS:
 - i. In your linux terminal type: `ip -4 a`
 - ii. Note **xxx** and **yyy** from the reply: 10.xxx.yyy.zzz
6. Open your browser and type in the url field: **10.xxx.yyy.1:8000/dashboard/app**
7. The iQunet dashboards will appear.
8. Configure the iQunet Edge gateway and sensors according to your needs

QUICK START INFORMATION

GENERAL

IP degree (IEC 529): IP20 (indoor only)

Operating temperature & humidity:

- -25°C to +60°C
- 5%-95% humidity – noncondensing

REGULATORY COMPLIANCE



Hardware: ED-CM4SEN

Assembled in: BE

Compliance:

- CE: EN IEC 62368-1/EN IEC 62311/EN IEC 61000-3-2/EN IEC 61000-3-3 EN 55032/EN 55035 EN 301 489-1/EN 301 489-3/EN 301 489-17/EN 301 489-52 EN 301 328/EN 301 440/EN 301 511/EN 301 908-1/EN 301 908-2

DIMENSIONAL DRAWING [mm]

Dimensions (mm): 102 x 73 x 36 mm *excl. external WiFi antenna, excl DIN Rail bracket*

Weight: 500g

Case: Aluminum, ABS

Installation: on DIN rail (35mm)

