

# Product Specification



## edgeRX Gateway

Gateway  
for Condition Based Monitoring  
Version 1.0

## 1. Overview

TDK GW2201D industrial gateway is based on the Internet of Things and cloud computing technology, which can provide remote management of sensor equipment and assets, and realize functions such as data collection, analysis, early warning, cloud storage, and data visualization analysis. Raw data can also be saved locally on a microSD card if necessary. GW2201D is equipped with DIN35 guide rail and wall-mounted installation, which makes the deployment of the gateway very convenient.

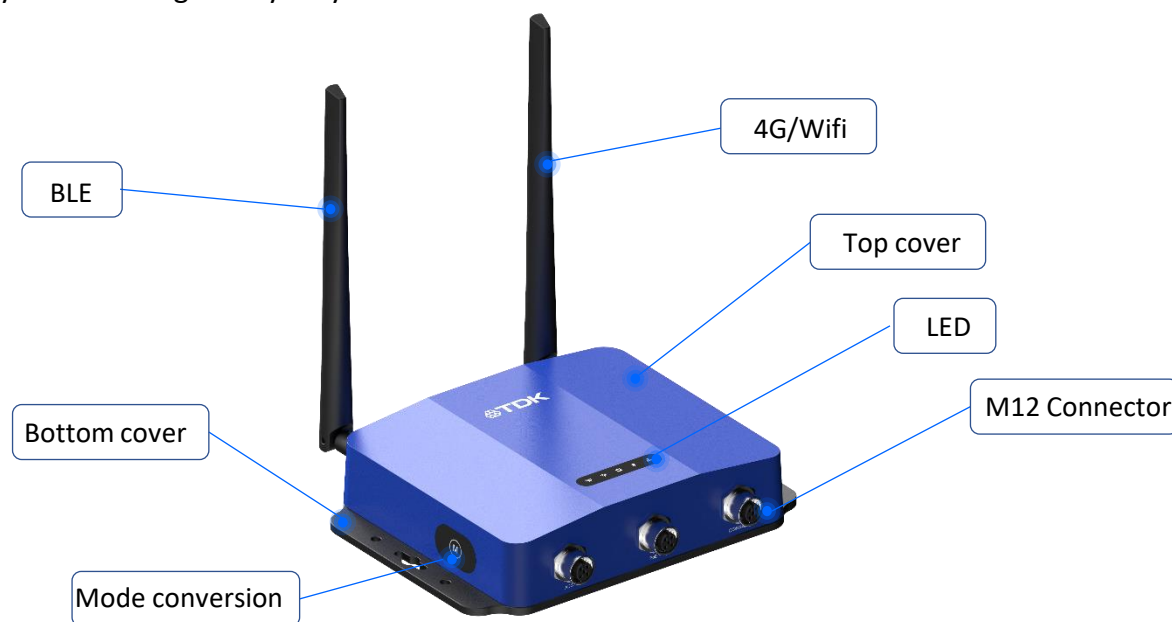


Figure 1 CBM edgeRX Gateway overview

## 2. Features

- Wide DC supply voltage range from 9V to 36V.
- Wifi 802.11.b/g/n
- BLE 5.0 communication supported
- Data acquisition rate up to 3Mbps
- Temperature measurement range -40~125°C
- MicroSD card supported
- Ip66 protection level

## 3. Applications

- Receives data from motor condition monitoring and tracking sensors and feeds back to the system.

## 4. Technical Specification

| Item                   | Specification   |
|------------------------|---|
| CPU                    | MCIMX6Y2DVM05AA, ARM Cortex-A7,528MHz   |
| Memory                 | 512 MB DDR3 RAM, 4GB eMMC ROM   |
| Ethernet               | 10/100M Ethernet  |
| Wireless communication | 4G-LTE (Configurable)<br>WiFi (Configurable)<br>BLE 5.0   |
| RS485                  | Modbus (optional)   |
| LED                    | 5 * Green LED including:<br>BLE, RS485, Ethernet, 4G, WiFi                                      |
| Button                 | Factory reset (long press > 5sec)<br>BLE Pairing (short press)                                  |
| USB                    | 1 * USB 2.0   |
| Power supply           | Typical 12V DC input, range from 9V~36V<br>Support PoE (IEEE 802.3af, 13W maximum) Configurable |
| Certification          | FCC<br>CE<br>SRRC<br>TELEC<br>UL (base on customer request)                                     |
| IP rating              | IP66  |
| Mounting               | Wall mounting<br>DIN rail mounting  |
| Operating temperature  | -40~85°C  |
| Dimension / Weight     | 179.0mm x 174.0mm x 187.5mm / 560g  |

SRRC



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## 5. Mechanical Specification

All measurements are listed in millimeters unless noted otherwise.

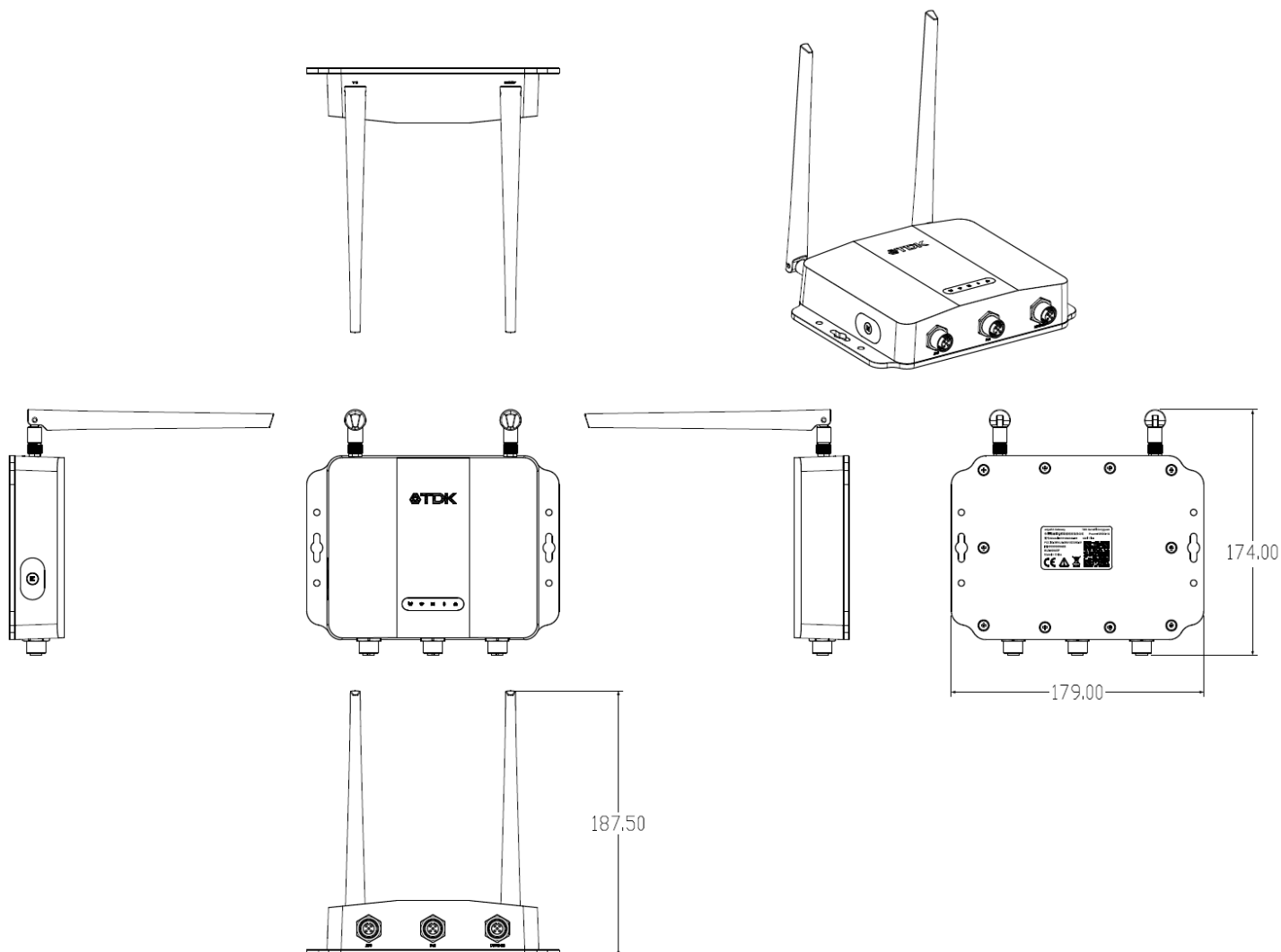


Figure 2 Dimension of CBM edgeRX Gateway

## 6. Accessory Requirements

Only accessories approved by the equipment manufacturer and compatible with this model may be used. Using other types of accessories may violate the warranty terms of this equipment and the relevant regulations of the country where the equipment is located, and could result in safety incidents. To obtain approved accessories, please contact an authorized service center.

## 7. Environmental Protection

Do not dispose of this equipment and its accessories as ordinary household waste. Please comply with local regulations regarding the disposal of this equipment and its accessories, and support recycling efforts.

## 8. FCC Statement

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **FCC Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.