

Industrial IoT Gateway User Manual

This manual provides instructions for the installation, configuration, and operation of the Industrial IoT Gateway device.

1. Introduction

The Industrial IoT Gateway enables reliable and secure data transmission between industrial equipment and cloud-based applications. It supports multiple interface protocols and robust monitoring features suitable for factory and field deployment.

2. Package Contents

- Industrial IoT Gateway
- Power Adapter
- Ethernet Cable
- DIN Rail Mounting Kit
- User Manual

3. Product Overview

Feature	Description
CPU	Quad-core ARM Cortex-A53
Memory	1GB DDR3
Storage	8GB eMMC
Ethernet Ports	2 x 10/100/1000Mbps RJ45
Serial Ports	1 x RS232, 2 x RS485
Wireless	WiFi 802.11ac, LTE (optional)
Power Input	DC 9-36V

4. Hardware Installation

1. Unpack the gateway and check included components.
2. Mount the device on a DIN rail or flat surface using the provided kit.
3. Connect Ethernet, serial, and power cables as required.
4. Power on the device. The status LED will indicate successful boot-up.

5. Initial Configuration

1. Connect the gateway to a PC using Ethernet.
2. Set the PC IP to `192.168.1.x` (excluding `.1`).
3. Access the web interface by opening `http://192.168.1.1` in a browser.
4. Login using default credentials: `admin` / `admin`.

6. Network Settings

- Configure LAN/WAN interfaces according to your network architecture.
- Set up static IP, DHCP, or cellular WAN as per project requirements.

7. Serial Interface Setup

1. Navigate to “Serial Port Settings” on the web interface.
2. Select RS232 or RS485 as needed.
3. Configure baud rate, parity, and other settings to match connected equipment.

8. Cloud Connectivity

The IoT Gateway supports major cloud platforms via MQTT, HTTP, and Modbus TCP.

To connect:

1. Go to “Cloud Services” menu.
2. Enter broker/server details, credentials, and topic information.
3. Save and test the connection.

9. Troubleshooting

- If unable to connect to the web interface, check Ethernet cable and PC IP settings.
- Refer to device LED indicators for error status.
- Restore factory settings by holding the reset button for 10 seconds.

10. Technical Support

Contact our support team:

Email: support@example.com

Phone: +1 234 567 8900