

Powerd by

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The Future of Customisable IoT Devices

Overview

lotbee seamlessly blends adaptability with precision for your IoT projects, offering a dynamic platform capable of handling a wide array of applications from environmental monitoring to control systems. Its core lies in the powerful customization it brings to the table, allowing users to finely tune their systems to meet specific operational requirements. Beyond customization, IoTBee also prioritizes ease of use and integration, ensuring that implementing and managing your IoT infrastructure is straightforward and efficient.



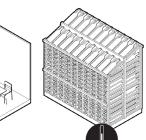
- Multiple Sensor Integration Support for up to 5 different sensors, allowing diverse applications from a single device.
- Real-time Data Transmission -Data automatically transmitted via MQTT.
- Platform Flexibility Integrate with our trusted platform or choose your own. Experience hassle-free data integration.
- **Swift Installation:** User-friendly design ensures quick setup.
- **Durability -** Housed in an IP67-rated enclesure.
- Battery Longevity Benefit from up to 10 years of battery life *
- External power It is possible to power the IoTBee with an external powersource when one is present (5-30V).
- Enclosure Rating IP67.



Applications

The IoTBee is perfect for:

Storm Surge Tanks Indoor Air Quality Depth measurement CO2 seonsor



Basements

Temperature

Storm Surge Tanks - Reliable and efficient level monitoring.

Basements - Keep an eye on temperature, moisture levels, and more.

Power Monitoring - Ensure your assets are always powered ON.

Technical Specifications

- Sensor Capacity Integrate up to 5 unique sensors.
- Connectivity options Use NB-IoT (included 10MB/month of data over a simcard), WiFi or Bluetooth for transmitting data.
- Temperature from -40 to 75 degree Celsius. Extreme temperatures will effect the lifespan.
- Battery Life Up to 10 years, subject to usage.
- CE certification: Due to addition of features, Q3 2024.
- OTA: Software updates over the air available from Q4 2024.

Configuration

loTbee stands out for its simplicity and versatility, thanks to It's design to work with nearly any communication protocol through M12 connections alone, covering needs from I2C to RS485, UART, and 4–20mA signals. The simplicity of using only M12 connectors means you don't have to juggle different cables and connectors for each task, making setup and adjustments easier and more straightforward.

Every input on the IoTbee can handle the same amount of protocols providing unparalleled flexibility. This means you can connect any sensor or device without worrying about compatibility issues.



IoTbee is designed to connect with many types of sensors, supporting sensors with a working voltage of 3.3 - 12V

Supported protocols:

I2C: up to 5 connections

Analog(3.3-12V): up to 5 connections

Digital(NC and NO or pulsecount): up to 5 connections

RS485: up to 5 connections UART: up to 5 connections 4-20mA: up to 5 connections

Interrupt: 1 connection.