

OMRON IoT Weather Sensor

*Fast and Easy Way to
Collect Weather Data!*



Sensors



Wind Direction



Wind Velocity



Rainfall



Temperature



Humidity



Barometric
Pressure



Light

All Included!

Communication

LTE-M or **LoRaWAN**

Our Vision

*Realize a Resilient Society
by Solving the Climate Change Issue with Spot Weather Data*

The scale of extreme weather and natural disasters is increasing year by year.

Spot weather data demand is increasing in many areas, but the number of weather stations are limited due to installation and maintenance issues.

OMRON will solve these issues with our weather sensor.



*: Specifications and structures may be changed without prior notice.

*: LTE-M logo is designed by GSMA. LoRaWAN® is a trademark of Semtech Corporation.

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Solution Examples

Agriculture

Notice optimal timing

Increase yield & reduce burden



Smart City

Forecast weather

Notice disaster to driver



Energy Infrastructure

Predict the amount of power generated

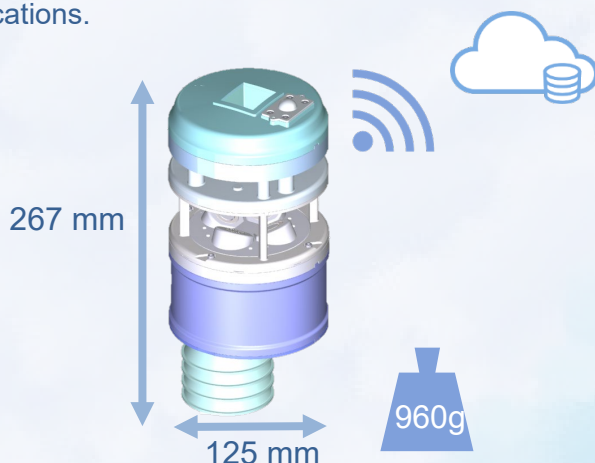
Efficient power generation



Product Features

1 Easy to Install

Small size and light weight make it easy to carry. Wireless sensor simplifies installation in outdoor applications.



2 Easy to Maintain

Reduce the need for regular cleaning. No moving parts reduces the risk of products malfunctioning and breaking.



3 Low Operation Costs

LTE-Cat.M1 and LoRaWAN® reduce running costs.



Specifications

	Specification
Voltage	DC 5 ~ 12V *Battery or AC adaptor must be prepared by customer.
Temperature	-20 ~ 50 °C (±1°C)
Humidity	0 ~ 100% RH (±5%)
Light	0 ~ 150,000 lux (±25%)
Wind Velocity	0 ~ 50 m/s (~5m/s ±1m/s, 5m/s~ ±30%)
Wind Direction	0.1 ~ 360 deg (±15 deg)
Absolute Pressure	600 ~ 1100 hPa (±1 hPa)
Rainfall	0 ~ 50 mm/h (~10mm/h ±2mm/h, 10mm/h~ ±20%)*
Communication	LTE Cat.M1 or LoRaWAN

Contact us !

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- Laws and regulations for weather data and sensing should be consulted before installing product
- Product is in development stage, so the specifications and images may be changed without prior notice.
- Omron products are designed and manufactured as general-purpose products for various industries. Please reach out to us if you have specific application questions!
- LoRaWAN® is a trademark of Semtech Corporation.

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