

IoT Weather Sensor

Fast and Easy Way to Collect Weather Data!

Sensors



Wind Direction



Wind Velocity



Rainfall



Temperature



Humidity



Barometric Pressure



Light

All Included!



Our Vision

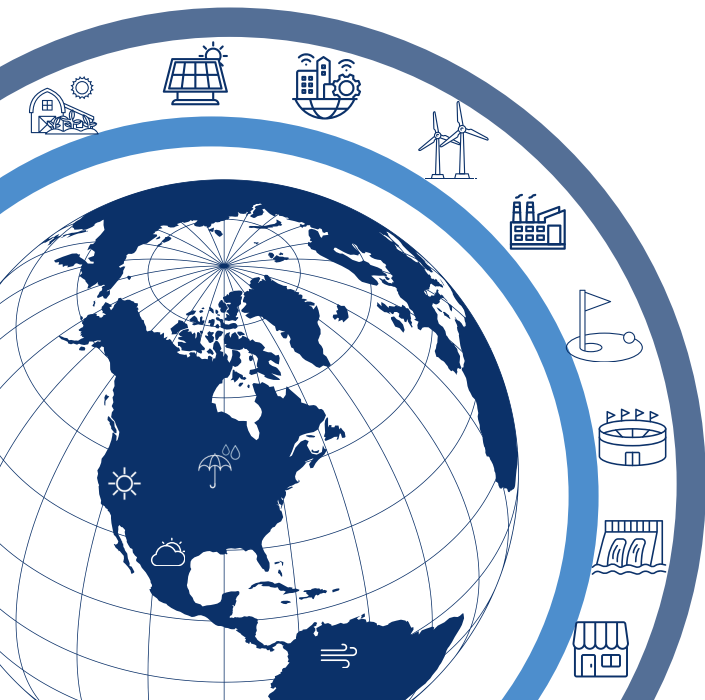
LTE-M or LoRaWAN or RS-232C

Our Vision

Due to changes in weather patterns, we are seeing increased occurrences of natural disasters and extreme weather.

As we experience an increased need for spot weather sensing, there is also an increased need for a device that is easy to install and maintain.

OMRON is looking to solve these issues with the new weather station.



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

Solution Examples

Agriculture

Notice optimal timing

▶ Increase yield & reduce burden



Smart City

Forecast weather

▶ Send alert to residents



Energy Infrastructure

Estimate supply input

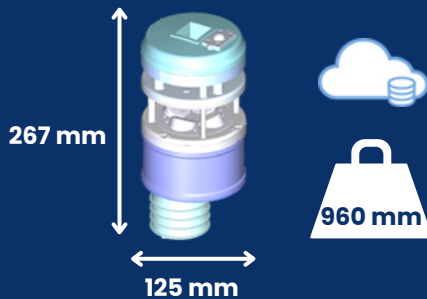
▶ Efficient power generation



Product Features

1 Easy to Install

All sensing components contained within singular package. 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 Cost

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 or RS-232C

CONTACT

Kyle Alberti
Business Development Manager
kyle.alberti@omron.com

Omron Electronic Components LLC
2895 Greenspoint Parkway Suite 100
Hoffman Estates, IL 60169