

PRODUCT OVERVIEW

Environmental Monitoring System

Environmental sensing devices and a monitoring platform for your site. Configure the sensors, communications and power system, then view measurements, trends and device status with GIOT.



Configuration highlights

- Up to eight fixed sensor positions
- Ethernet, Wi-Fi, 4G LTE and LoRaWAN connectivity
- Wall and pole mounting options

Configured to order. Confirm the selected model and project scope before ordering.

Start with your application

Share the sensor list, installation location, connectivity coverage, power availability and quantity. Power packages, cloud services, calibration, maintenance and installation are quoted to the agreed scope. Final pricing and warranty terms are confirmed in the quotation.

Performance depends on the selected sensor configuration. IP65 describes the enclosure design; certification is in progress.

Discuss the right configuration with GIOT

View product details and request a quotation at giotenergy.com

Technical overview

Environmental Monitoring System

Sensor configuration	Up to eight sensors per device, with sensor types and quantities tailored to project requirements
Standard measurements	Temperature, relative humidity, PM2.5, PM10 and illuminance
Gas sensor configuration	Standard interfaces support CO, SO ₂ , NO ₂ , O ₃ and VOC sensors. Sensor types and quantities can be customized to meet customer requirements, with up to eight sensors per device.
Sensor sourcing	Honeywell sensors for CO, SO ₂ , NO ₂ and O ₃ ; qualified third-party VOC sensor
Sampling interval	10 minutes as standard; maximum sampling frequency of once per minute
Connectivity	Ethernet, Wi-Fi, 4G LTE and LoRaWAN
Local buffering	Optional storage for approximately two to three days
Power configurations	Separate power enclosure for 110 VAC, solar, wind or 24 V lead-acid battery systems
Installation	Wall or pole mounting; power-on status indicator
Enclosure	IP65 design; certification in progress
Performance	Range, accuracy, resolution and response time depend on the selected sensor model
Testing	Laboratory and field testing completed

Performance depends on the selected sensor configuration. IP65 describes the enclosure design; certification is in progress.

Maximum capacity: eight installed sensors in total. Available measurements are configuration choices; the final sensor schedule defines the installed arrangement. Each position has a defined assignment. Power down the unit before replacing a sensor. The website platform preview uses sample data.