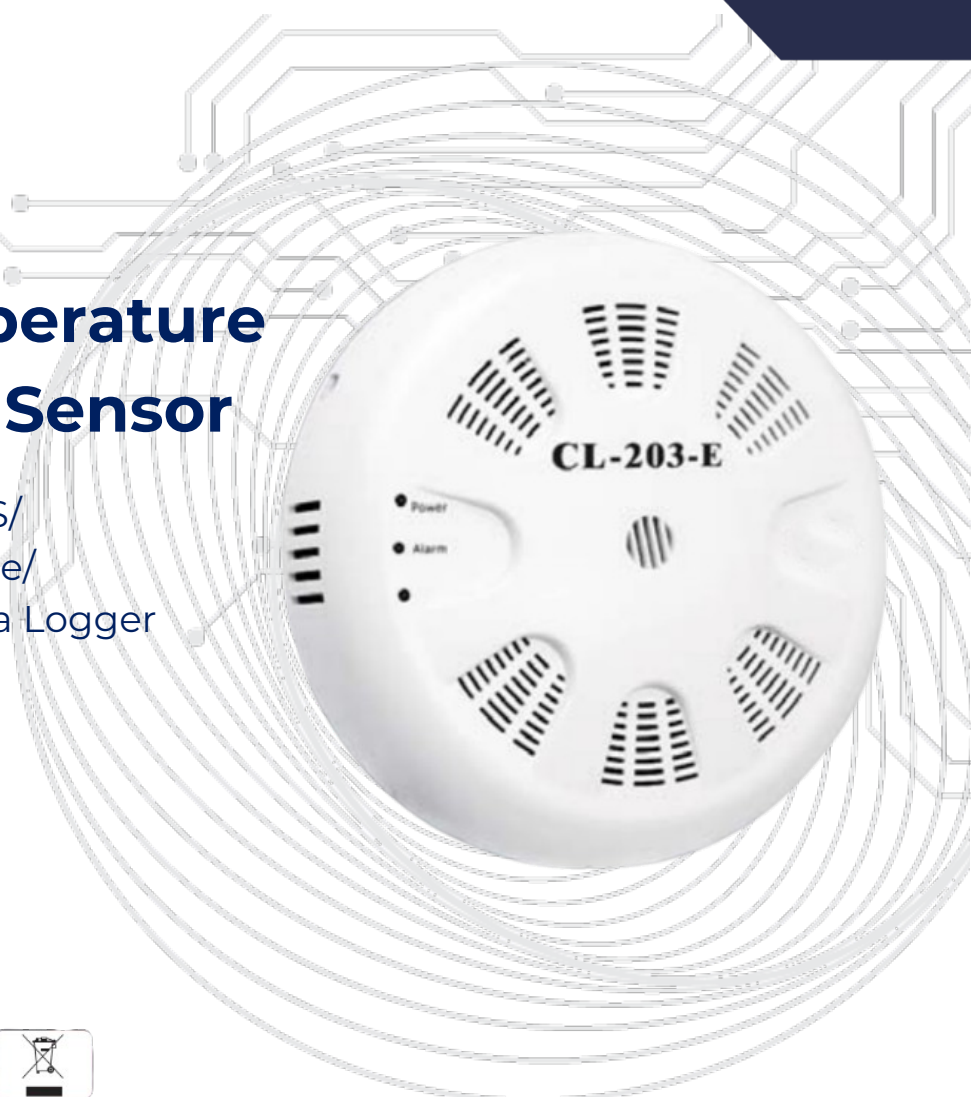


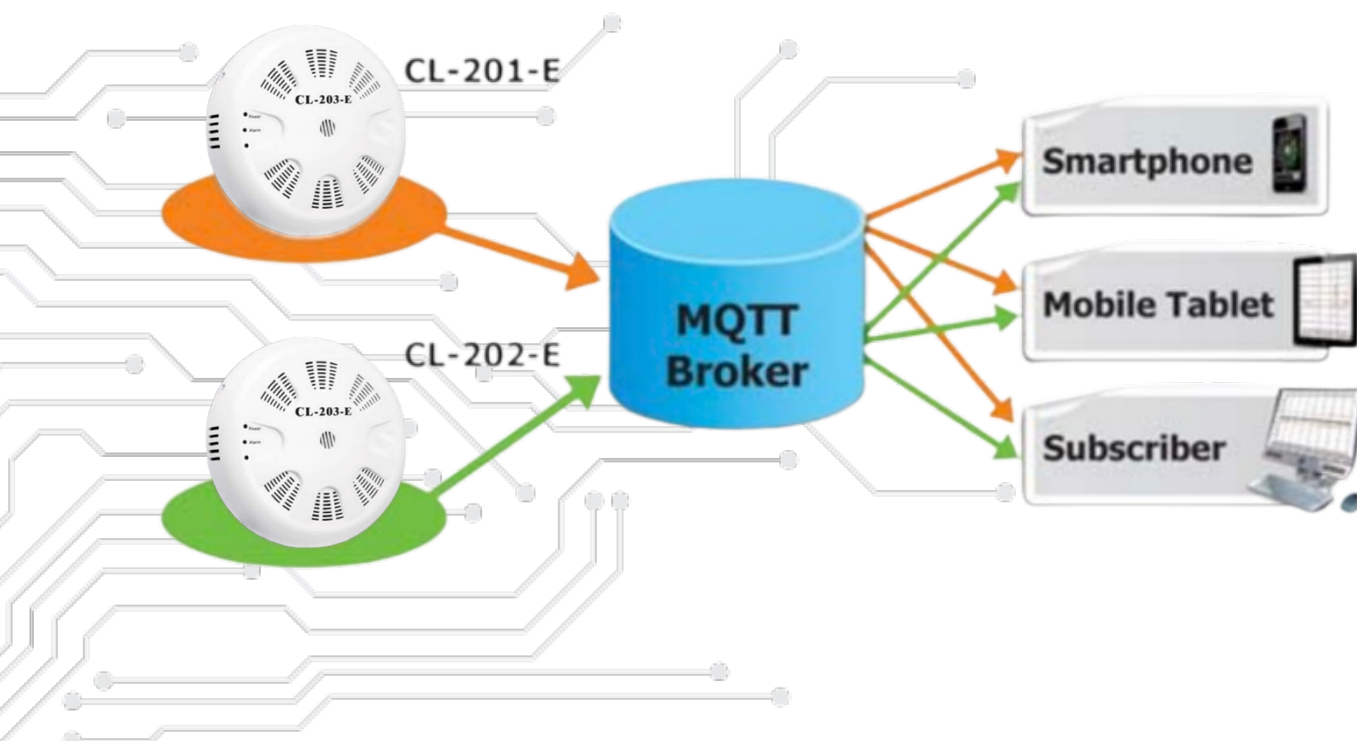
Outdoor Temperature and Humidity Sensor

RemoteCO/CO₂/NH₃/H₂S/
HCHO/TVOC/Temperature/
Humidity/Dew Point Data Logger
Module

CL-201-E CL-202-E
CL-203-E CL-204-E
CL-205-E CL-206-E
CL-207-E CL-208-E



Supports the MQTT Protocol for IoT Applications



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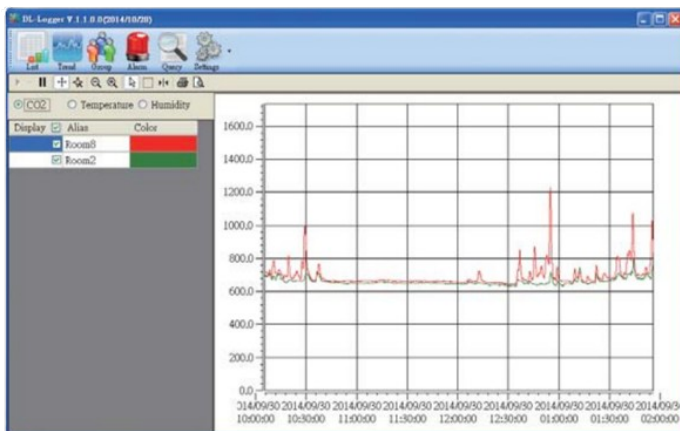
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Multi-platform Remote Access Software

Real-time data from the CL-200 data logger can be accessed from anywhere and at any time using the DL300 Utility, the iOS or Android App, or via a regular web browser, as long as they are connected to the same local network as the data logger.



Simple and Powerful DL-300 Utility

The DL-300 Utility is a powerful tool that is designed for configuring the modules, monitoring real-time data, grouping DL-300 and CL-200 modules to view and manage the status of distribution groups, downloading log data, which can be exported to a CSV file that can then be imported into any industry-standard software or spreadsheet for analysis.

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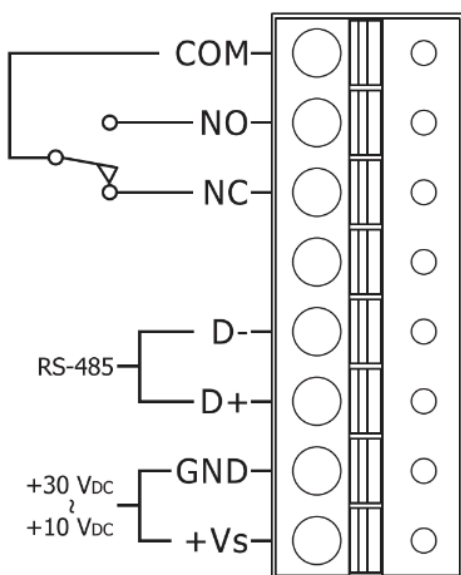


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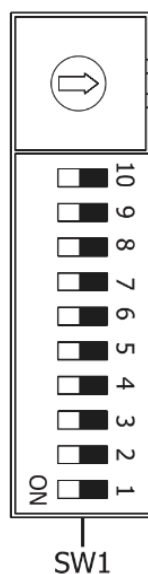
I/O Specifications

Model	CL-201-E	CL-202-E	CL-203-E	CL-204-E	CL-205-E	CL-206-E	CL-207-E	CL-208-E
System								
CO Alarm	Yes	-	Yes	-	-	-	-	-
CO2 Alarm	-	Yes	Yes	-	-	-	-	-
HCHO Alarm	-	-	-	Yes	-	-	Yes	-
TVOC Alarm	-	-	-	Yes	-	-	-	Yes
NH3 Alarm	-	-	-	-	Yes	-	-	-
H2S Alarm	-	-	-	-	-	Yes	-	-
RH/Temperature Alarm	-	-	-	-	Yes	-	-	-
Real Time Clock	-	-	-	-	Yes	-	-	-
Data Logger	-	-	-	-	Yes, up to 450,000 records	-	-	-
Relay Output	-	-	-	-	Form A x1, SPST 30 VDC @ 16 A or 250 VAC @ 16 A	-	-	-
Interface	-	-	-	-	RS-485/Ethernet	-	-	-
Electrical								
Powered from Terminal Block	-	-	-	-	+12 to +48 VDC	-	-	-
Power	Non-PoE	1.5 W (Max.)	1.5 W (Max.)	1.6 W (Max.)	1.9 W (Max.)	1.6 W (Max.)	1.6 W (Max.)	1.9 W (Max.)
Consumption	PoE	1.6 W (Max.)	1.6 W (Max.)	1.7 W (Max.)	2.0 W (Max.)	1.7 W (Max.)	1.7 W (Max.)	2.0 W (Max.)
Mechanical								
Installation	-	-	-	-	Ceiling Mounting/Wall Mounting	-	-	-
Protection Class	-	-	-	-	IP20	-	-	-
Dimensions (D x H)	-	-	-	-	Ø 150 mm x 53 mm	-	-	-
Environment								
Operating Temperature	-	-	-	-	0 to +50°C	-	-	-
Storage Temperature	-	-	-	-	-30 to +75°C	-	-	-
Humidity	-	-	-	-	10 to 90% RH, Non-condensing	-	-	-

Pin Assignments & Wire Connections



DIP Switch Settings



SW1-	ON	OFF
1	DCON	Modbus
2	SW Config	HW Config
3	High Node	Low Node
4	INIT	RUN
5~9	Reserved	
10	FW update	Null

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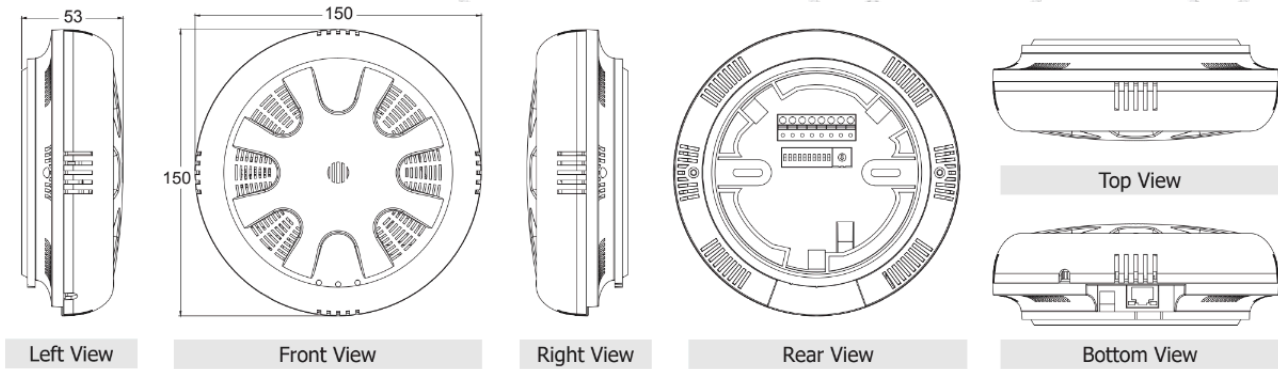


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Dimensions (Units: mm)



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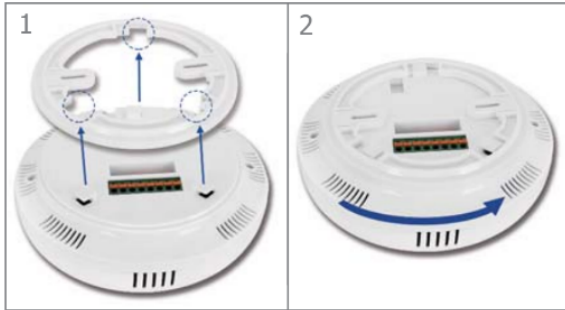
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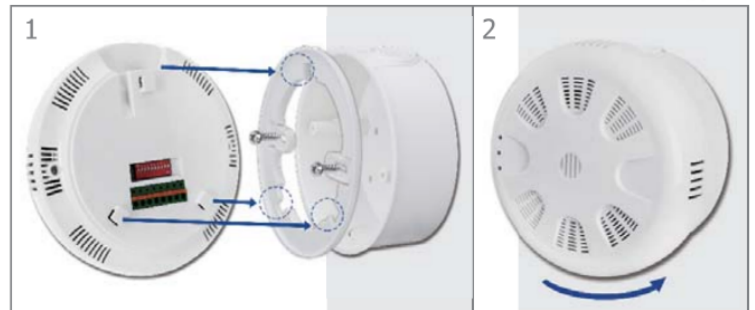
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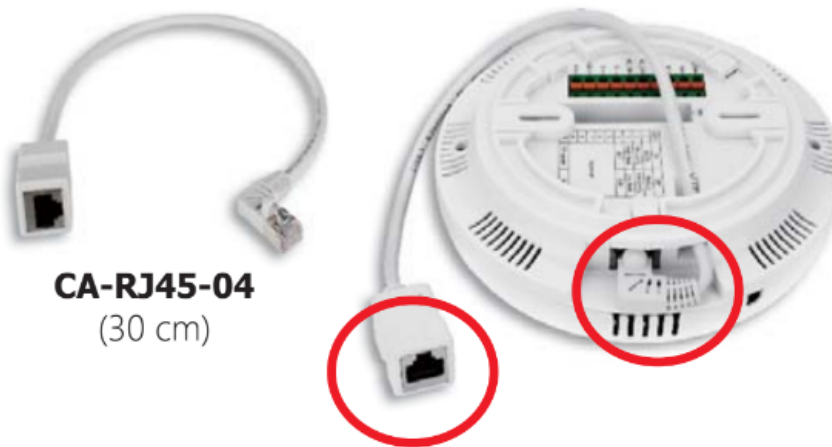
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Mounting



Wall Mounting (+ External Wall Box EWB-C150)



CA-RJ45-04
(30 cm)

CL-2xx-E + RJ45 Cable:
CL-2xx-E (Ethernet Type) are with optional angle-bent RJ45 cable to smoothly install the Ethernet plug in the hole of the ceiling-mounted.

Applications

- Transportation of Food or Pharmaceuticals
- Food and Beverage Industry (HACCP)
- Blood Stations and Pharmacies
- Building and Energy Management
- Warehouse Management
- Museums, Archives and Galleries

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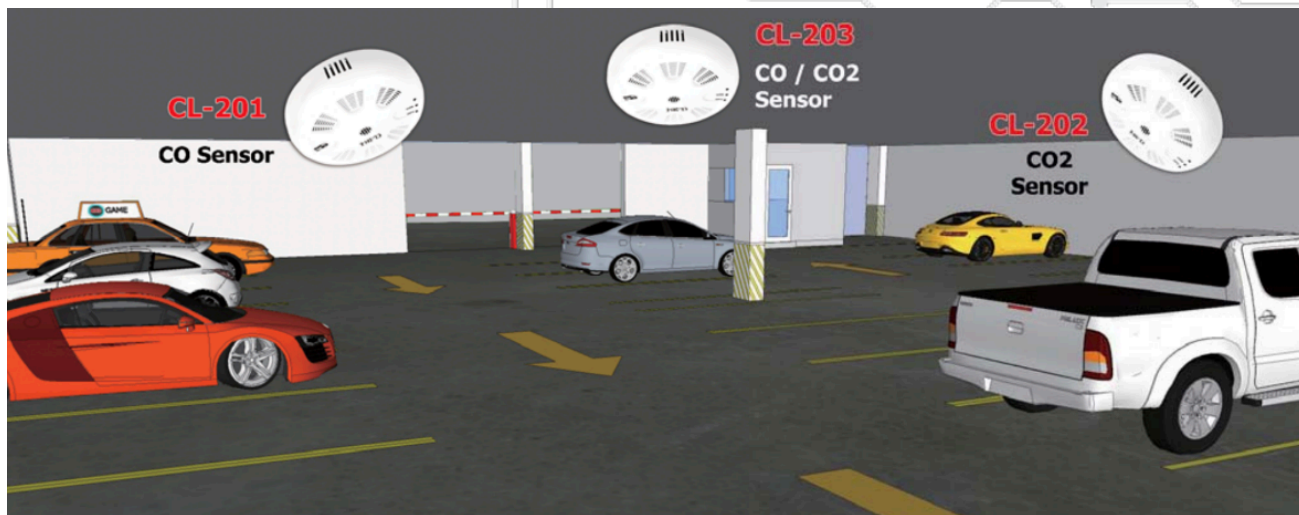
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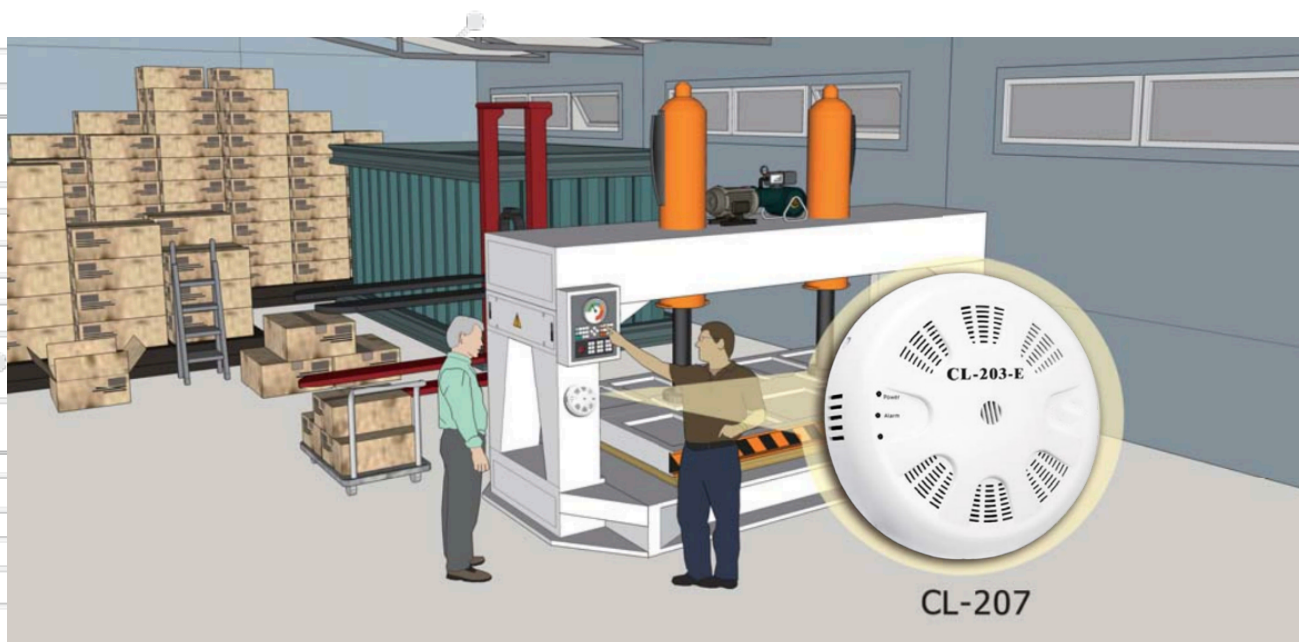
Indoor or Underground Parking Lot Automatic Monitoring

Solution. The air quality automation system for indoor or underground parking lot can use the CL-200 series modules to monitor the health and safety information, such as CO, CO₂, temperature, humidity, dew point, and more...



HCHO (Formaldehyde) / VOC Detector Automatic Solution

The HCHO/VOC detector provides an instantaneous warning of toxic formaldehyde, which can be found in a plywood factory, furniture factory and new interior remodelling house commonly.



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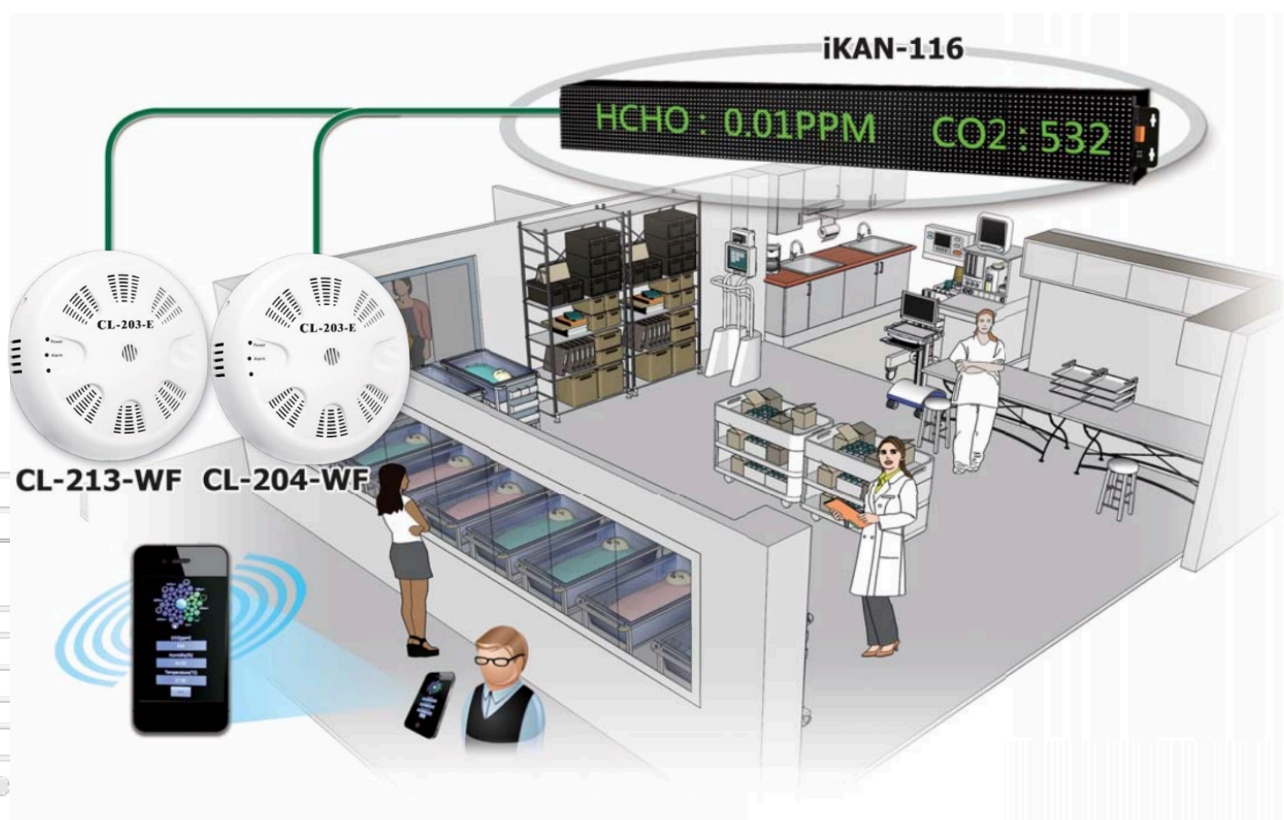


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Preschool Air Quality Monitoring

Indoor air quality is a key matter for children in preschool. ICP DAS provide a solution toward this environment include CL-213-E, CL-204-E modules to monitor the fumes and Particle Matters such as PM1, PM2.5, PM10, CO, CO2, HCHO, TVOC, and etc. Combine with ICP DAS iKAN series LED monitors, teachers in the preschool can easily check the real-time Air Quality Index. Furthermore, diversity of SCADA software is also compatible with these monitoring modules and can upload received data into remote database.

Teachers can use their mobile App to remotely check the AQI or other fumes data to make sure that the Air Quality is always in the safety range.



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Ordering Information

CL-201-E CR	Remote CO/Temperature/Humidity/Dew Point Data Logger with Ethernet/RS-485 Interfaces and PoE (RoHS)
CL-202-E CR	Remote CO2/Temperature/Humidity/Dew Point Data Logger with Ethernet/RS-485 Interfaces and PoE (RoHS)
CL-203-E CR	Remote CO/CO2/Temperature/Humidity/Dew Point Data Logger with Ethernet/RS-485 Interfaces and PoE (RoHS)
CL-204-E CR	Remote HCHO/TVOC/Temperature/Humidity/Dew Point Data Logger with Ethernet/RS-485 Interfaces and PoE (RoHS)
CL-205-E CR	Remote NH3/Temperature/Humidity/Dew Point Data Logger with Ethernet/RS-485 Interfaces and PoE (RoHS)
CL-206-E CR	Remote H2S /Temperature/Humidity/Dew Point Data Logger with Ethernet/RS-485 Interfaces and PoE (RoHS)
CL-207-E CR	Remote HCHO/Temperature/Humidity/Dew Point Data Logger with Ethernet/RS-485 Interfaces and PoE (RoHS)
CL-208-E CR	Remote TVOC/Temperature/Humidity/Dew Point Data Logger with Ethernet/RS-485 Interfaces and PoE (RoHS)

Accessories

EWB-C150	External Wall Box for the CL-200 series
CA-RJ45-04	RJ45 Cable, Male-Female, 30cm (90o)

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