



Features:

- Complete Environmental Monitoring
- Air Quality and Flammable Gas Detection
- Emergency Lighting Function
- Human Passive Infrared Detection
- Internal Monitoring Hardware Information
- EtherCAT Conformance test tool verified
- Operating Temperature -20 to +70 °C

Specifications

Sensor Information	
Current (WCS2705)	Response Frequency Bandwidth: 10KHz
Carbon Monoxide (ME2-CO)	Range: 0 ~ 1000ppm (Maximum Measurement Limit: 2000ppm)
Oxygen (ME2-O2)	Range: 0 ~ 25% Vol (Maximum Measurement Limit: 30% Vol)
Carbon Dioxide (MH-Z19C)	Detection Range: 400~2000ppm
Flammable Gas (MP-4)	Detected Gases: Methane, Natural Gas, Biogas Detection Concentration: 300 ~ 10000ppm (Methane, Natural Gas)
Humidity, Pressure, and Temperature (BME688)	Operating Pressure Range: 300~1100hPa Operating Humidity Range: 0~100% Operating Temperature Range: -40°C~85°C
Laser Dust PM2.5 (ZH07)	Detection Range: 0.3-10µm (Effective Range: 0-1000µg/m ³)
Human Infrared PIR (RD-623)	Detection principle: pyroelectric effect
Light (Illumination) Sensor: (TSL2572)	Detection Range: Works up to 60,000 lux in sunlight
General	
Protocol	EtherCAT (RJ-45 x 2)
Ethernet Standard	IEEE 802.3
Transmission Rate	100Mbps
Power Connector	4-pin Power Input/Output & 2-pin FGND
Power Requirement	+19 to +50VDC Power Input (Typ. +24VDC@200)
Power Consumption	Min. 4.8 W
Environment	
Operating Temperature	-20 to +70 °C
Hardware	
Dimension	129.5 x 129.5 x 78 mm
Weight	490 g
Internal Monitoring	Temperature, Voltage, Current, Startup time

Ordering Information

QEC-R11EM1S-N	EtherCAT Environment Detector/PoE
QEC-R00EM1S-N	EtherCAT Environment Detector

* For detailed ordering information, please contact our sales staff or view the user manual.

Dimension

