



# Embsys Technologies Private Limited

<https://www.embsys.in/>

We are a Manufacturer and Distributor of Industrial Sensors (Environment, Soil, Agriculture, Transport, Electrical), Data Converters (Serial, Ethernet, WiFi, LoRa, GSM, 4G), Gateway, Router, Display, Remote Monitor (Relay, IO, Counters) etc



Serial RS232 RS485 to 4g Modem with GPS USR-MB706



Indoor Air Quality Dust Particles Sensor with Temperature Humidity, RS485 Output



Wall Mount Total Volatile Organic Compounds TVOC Sensor 0-60000ppb with Temperature Humidity.

## About Us

We, EmbSys Technologies Pvt Ltd ([www.embsys.in](http://www.embsys.in)) – is a Manufacturer and Distributor of Industrial Electronics Products such as

Industrial Sensors (Environmental Sensors, Data Loggers, Soil Sensors, Agriculture Sensors, Electrical Sensors)

Data Converters (RS232, RS485, Ethernet, WiFi, LoRa, GSM 2G, 4G, LTE, CAT1, NBIoT)

Gateways (Ethernet, LoRa, GSM, WiFi, Sensor)

Industrial Routers

Displays

Remote IO Controllers (Wireless Relay Controllers, IO Controllers, Counters etc)

also we do Customized Embedded Electronics Automation Products Service



# DATA CONVERTERS & MODEMS



Serial RS232 RS485 to 4g Modem with GPS USR-MB706



Industrial 4G LTE GSM Modem with LAN and Serial RS232 RS485 Ports (USR-G781-E)



Industrial RS485 2G GSM GPRS Modem (USR-GPRS232-734)



Industrial GSM GPRS Data Converter Modem (USR-GPRS232-730)

# AIR QUALITY-POLLUTION SENSOR



Indoor Air Quality Dust Particles Sensor with Temperature Humidity RS485 Output



Industrial Air Quality Sensor PM2.5 PM10 Dust Particle Sensor with Temperature Humidity RS485 Output



Outdoor Air Quality Dust Sensor Pm2.5 Pm10 With Rs485 Output



Outdoor Multi Element Air Sensor with Radiation Shield RS485 Output

# WALL MOUNT GAS SENSOR



Wall Mount Total Volatile Organic Compounds TVOC Sensor 0-60000ppb with Temperature Humidity



Industrial Wall Mount O2 Sensor 0-25%



Wall Mount Oxygen O2 Sensor 0-25% with Display



Industrial Wall Mount CH2O Sensor 0-5ppm

# WEATHER SENSOR



Integrated Weather Sensor  
RS485 Output



High Accuracy Solar Radiation  
Sensor Pyranometer

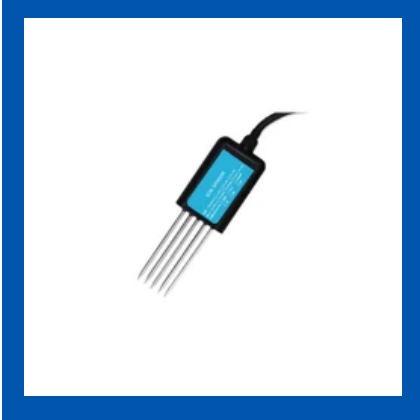


Evaporation Sensor RS485  
Output



Solar Radiation Sensor  
Pyranometer

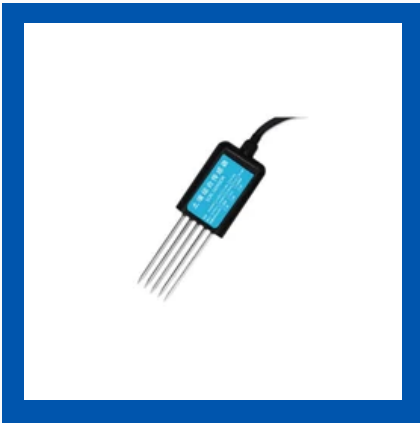
# SOIL & AGRICULTURE SENSORS



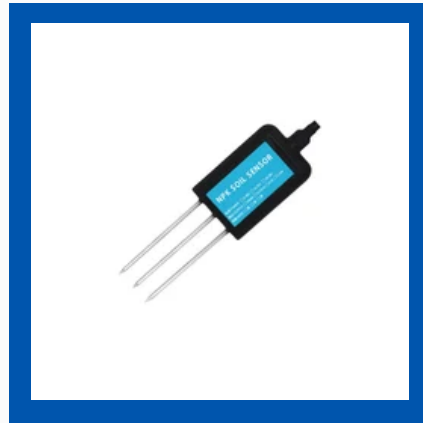
7 in 1 Soil Sensor RS485 Output



Soil pH Sensor RS485 Output



Soil Temperature-Moisture-EC-pH 4in1 Sensor RS485 Output



Soil NPK Sensor RS485 Output

## DUCT GAS SENSOR



Duct Mount Formaldehyde  
CH<sub>2</sub>O Sensor 0-5ppm with  
Display



Duct Oxygen O<sub>2</sub> Sensor 0-  
25%



Duct Hydrogen Sulfide H<sub>2</sub>S  
Sensor 0-100ppm



Duct Carbon Monoxide CO  
Sensor 0-1000ppm / 0-  
2000ppm

# TEMPERATURE HUMIDITY SENSORS



Non Contact IR Temperature Sensor RS485 Output



Temperature Humidity Display Panel with Builtin Probe and Alarm RS485 Output



Non Contact IR Temperature Sensor 4-20mA Output



Temperature Humidity Display Panel with External Probe and Alarm RS485 Output

# SIGNAL CONVERTERS



Multi Functional Analog Voltage and Current to RS485 Converter



Smart Analog Current to RS485 Converter



2 Channel Analog Voltage To RS485 Converter



2 Channel RS485 to Analog Current Converter-ES3102C

# RUGGED GAS SENSOR



Rugged Explosion Proof H2  
Sensor 0-40000ppm



Rugged Explosion Proof H2S  
Sensor 0-100ppm



Rugged Explosion Proof  
Nitrogen Dioxide NO2 Sensor  
0-2000ppm



Rugged Explosion Proof NO2  
Sensor 0-20ppm

# FLOW-LEVEL-PRESSURE SENSORS



Industrial Differential Pressure Sensor



Industrial Differential Pressure Sensor Aluminium Alloy Body with Display



Industrial Differential Pressure Sensor with Display



Industrial Pressure Sensor

# HANDHELD GAS SENSOR



Handheld Sulfur Dioxide SO2  
Gas Meter 0-20 ppm



Handheld PH3 Gas Meter 0-  
20ppm



Handheld CO2 Gas Meter 0-  
5000ppm



Handheld H2S Gas Meter 0-  
100ppm

# GATEWAYS



Serial Modbus to 4G Ethernet Gateway with Expandable IO (USR-M100)



High Performance Edge IoT Gateway USR-M300



Arduino Open Source WiFi Ethernet Gateway (USR-M100-ARD)



Gsm Gateway Devices

# INDUSTRIAL ROUTERS



Dual SIM 4G LTE Router with LAN WiFi and Auto Fail-Over (USR-G808)



Low Cost Dual SIM Industrial VPN Router with 4 LAN and WiFi USR-G805S-42



4G LTE Industrial VPN Router (USR-G806-43)



Industrial 5G Router (USR-G810)

# NETWORK SWITCHES



Low Cost Industrial Ethernet Switch 5 LAN Port-USR-SDR050-L



Industrial Ethernet Switch 5 LAN Port with POE USR-SDR050



4G Industrial VPN Router with RS232 RS485 2 Inputs 2 Outputs 4 LAN 1 WAN WiFi USB SDCard(USR-G809-G)



4 Port Ethernet Switches Industrial Network Switches

# DISPLAYS



4.3" TFT Display



3.5" Smart TFT Touch Display



4.3" Smart TFT Touch Display



5" Smart TFT Touch Display

## DATA CONVERTER MODULES



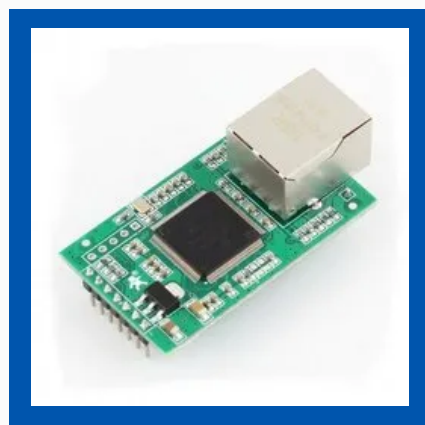
K Port TTL UART to Ethernet Converter Module (USR-K6)



Mini Low Cost TTL UART to Ethernet Converter Module (USR-K5)

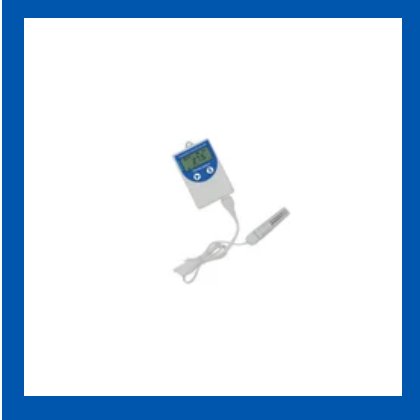


Super Port TTL UART to Ethernet Converter Module (USR-K7-MQTT) with MQTT



Serial UART to Ethernet Converter Module (USR-TCP232-T2-E8)

# LOGGERS



Mini Battery Operated  
Temperature Humidity  
Recorder with External Probe  
-20 to +60 deg



RS485 Modbus Data Logger  
with Display



Digital Paperless Recorder  
Process Storage Instrument



Mini Battery Operated  
Temperature Humidity  
Recorder -20 to +60 deg

# GAS METERS



Methane CH<sub>4</sub> Gas Monitor with Remote 100 %LEL



Sulfer Dioxide SO<sub>2</sub> Gas Monitor with Remote 0-20ppm / 0-2000ppm



Ammonia NH<sub>3</sub> Gas Monitor with Remote 0-50ppm / 0-100ppm



Oxygen O<sub>2</sub> Gas Monitor with Remote 0-30%VOL

# MOTION VIBRATION SENSORS



Wireless Lora Based Vibration Sensor



Industrial Vibration Three Axis Spectrum RS485 Output



PIR Motion Sensor Microwave Type RS485 Output

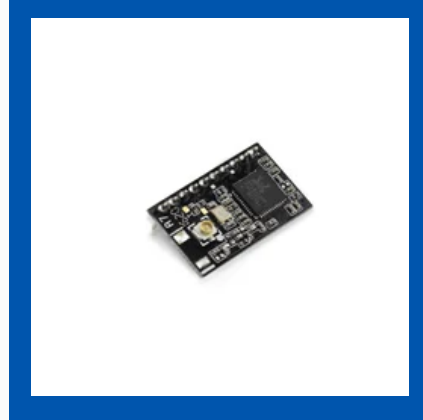


PIR Motion Sensor Infrared Type RS485 Output

# WIFI MODULES



Low Power Iot wifi module smd with on external antenna  
usr-c215b



Ultra Low Power Serial TTL Wifi Module Tiny Size USR-C215

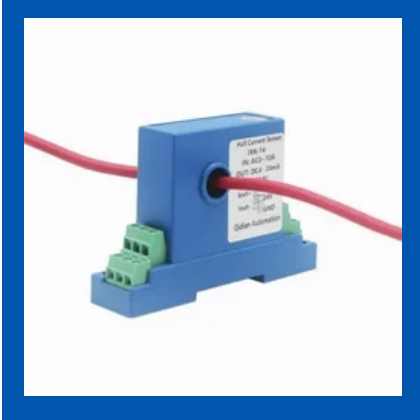


Low Power IOT WiFi Module SMD with on board chip antenna USR-C216A



Industrial Low Power TI CC3200 WiFi Module USR-C322

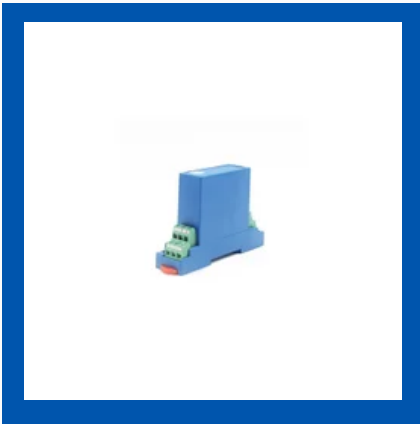
# ELECTRICAL SENSORS



Single Phase Voltage Current Power Sensor DIN Rail Mount RS485 Output



Perforated AC Current Sensor



Single Phase Voltage Sensor DIN Rail Mount RS485 Output



AC Voltage Sensor

# WATER LEAK DETECTOR



Industrial Water Leak Detector



Positioning Water Leakage Detector



Probe Wire for Water Leak Sensor



Water Leak Location Sensor Probe

# RS232 CONVERTER



RTD to RS485 Converter 2 Channel



RTD To RS485 Converter 8 Channel



RTD To RS485 Converter 1 Channel

# INDUSTRIAL PC



Mini Industrial Embedded PC  
IPC6000



Embedded Mini Industrial PC  
IPC6800



Embedded Mini Industrial PC  
IPC6900

# WATER SENSOR



Turbidity Sensor with RS485 Output



Water Level Sensor



Dissolved Oxygen Sensor with RS485 Output (for Fresh Water)



Industrial ORP Sensor with RS485 Output

## MOUNTING PLATES



Wall and Pole Mounting Plate  
for Outdoor Sensor



3in1 Wall and Pole Mounting  
Plate for Outdoor Sensor



Wall and Pole Mounting Plate  
for ABS Rain Sensor

# NEW ITEMS



Channel Analog Voltage to RS485 Converter



Integrated Screen of IOT USR-SH800



Dual Band WiFi Client Serial to Wi-Fi Converter



8 Channel Analog Current And Voltage To RS485 Converter

# F a c t s h e e t

Year of Establishment :2009

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Nature of Business :Manufacturer

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Total Number of Employees :Upto 10 People

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## CONTACT US

### **Embsys Technologies Private Limited**

Contact Person: EmbSys

