



# REMOTE MONITORING SOLUTIONS

Secure Remote Monitoring to the Cloud Simplified  
An Industrial Hardware & Software Solution

- RMS100** Protocol Conversion
- RMS200** Protocol Conversion & HMI
- RMS500** Tank Level Solution
- RMS1000** Complete I/O & Software Solution

# Enterprise-Wide Remote Monitoring Solutions

Our platform is built with known industrial solutions and can easily be integrated into third-party applications, such as Enterprise SCADA and Public or Private Cloud Solutions like Amazon Web Services (AWS) and Microsoft Azure.



## Industries & Applications

The remote monitoring solution offers the best-in-class system for generating, managing, and monetizing data from field assets. It enables easy data visualization, device fleet management, situational awareness, and collaboration of data with existing IT systems such as SCADA and other third-party software. The platform is offered as a web-based solution, an on-premises solution connecting to your local SCADA, or direct to cloud solution connecting to the data visualization platform FacilityConneX.

**With a wide selection of supported drivers our devices also support:**

- 4,000 Address Tags
- Up to 6 simultaneously Drivers
- With a max of 128 connections per driver

### Oil & Gas



- Wellheads
- Compressor Stations
- Tank Farm Automation

### Water & Wastewater



- Pump & Lift Stations
- CSO (Combined Sewer Overflow Monitoring)
- Tank Farm Automation

### Process



- Critical Asset Monitoring
- Tank Farm Automation

### Manufacturing

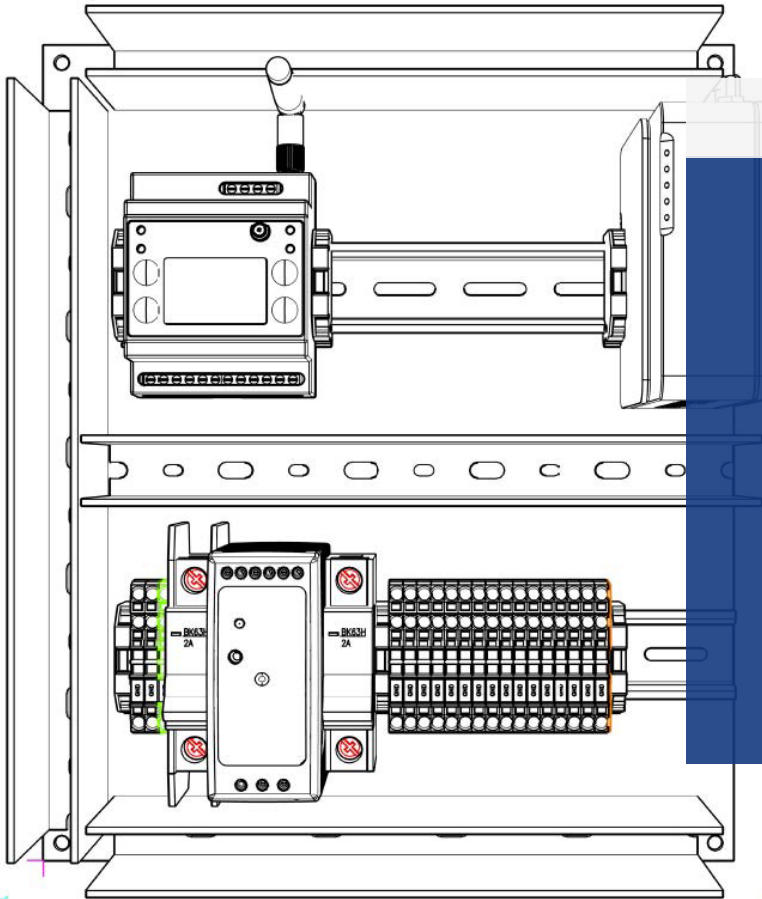


- OEE
- Tank Farm Automation

# Remote Monitoring Solutions Simplified

Increase efficiency, reduce downtime and failures, and improve compliance with our preconfigured kit for remote monitoring applications

Too many remote monitoring solutions fail because of complexity, poor quality, and failure to use off-the-shelf components. We have solved those issues by developing a family of scalable remote monitoring solutions that use proven industry components which are preconfigured so installation, configuration, and maintenance is simple.



## Box Components

- 1** Industrial grade Edge Gateway / IoT Device running on a Quad-Core Cortex-A72 processor
  - Enabling our Linux environment to host Emerson Connex IO Drivers and Movicon. NExT HMI software
- 2** Banner Engineering industrial wireless controllers are designed to facilitate Industrial Internet of Things (IIoT) applications
- 3** Peplink Industrial router provides constant contact via, ethernet, Wifi, and cellular

## Trusted Industry Components

Our remote monitoring solution detects, collects, stores, and alerts you on how your equipment is operating

### SENSORS

#### Q45VA

The Q45VA all-in-one vibration and temperature sensor and wireless node monitors the health and performance of motors, pumps, and similar equipment with rotating motion; mounting kit with magnetic and non-magnetic brackets available

#### Q45DT

The Q45DT all-in-one wireless dual thermistor node measures two separate thermistors for air- and liquidhandling applications

#### Q45CT

The Q45CT all-in-one current transformer and wireless node measures current draw, helping to reveal issues with critical motor performance

#### Q45UA

The Q45UA all-in-one ultrasonic sensor and wireless node monitors the level or position of fluid or dry assets in tanks, totes, and containers

#### Q45PS

The Q45PS all-in-one pressure sensor and wireless node measures air, gas, and fluid pressure of systems and equipment

# Product Features

| FEATURE   | PART NUMBER |         |         |         |        |         |
|---|-------------|---------|---------|---------|--------|---------|
|   | RMS100E     | RMS100C | RMS200E | RMS200C | RMS500 | RMS1000 |
| Ethernet (2) & Serial Port RS232/422/485 (1)            | ✓           | ✓       | ✓       | ✓       | ✓      | ✓       |
| USB 2.0 & 3.0 & HDMI Port                               | ✓           | ✓       | ✓       | ✓       | ✓      | ✓       |
| Cellular Capable With Included Antenna                  | X           | ✓       | X       | ✓       | ✓      | ✓       |
| Supported Cloud Connectivity TAGcx (Monitor and Notify) | ✓           | ✓       | ✓       | ✓       | ✓      | ✓       |
| Amazon, Azure, or Google Cloud                          | ✓           | ✓       | ✓       | ✓       | ✓      | ✓       |
| Protocol Conversion With MoviconConnex                  | ✓           | ✓       | X       | X       | X      | X       |
| Protocol Conversion and HMI Movicon.NExT                | X           | X       | ✓       | ✓       | ✓      | ✓       |
| Full Driver List Support and Max Tag Support (4000)     | ✓           | ✓       | ✓       | ✓       | ✓      | ✓       |

| PRODUCT                                       | PROBLEM SOLVED   |
|---|--|
| RMS100E & RMS100C                             | <ul style="list-style-type: none"> <li>• Protocol Conversion</li> <li>• Collect data from multiple devices across 6 different drivers</li> <li>• Connect to controllers, Drives, and Instrumentation from Various Manufactures</li> <li>• Allows for Store and Forward functionality</li> <li>• Model C adds cellular communication</li> </ul> |
| RMS200E & RMS200C                             | In addition to the RMS 100 Functionality, Operator Interface or HMI functionality<br>Connect remotely to Web Server using a tablet, phone or computer.   |
| TAGcx<br>Based on the FacilityConnex Platform | Cloud-based real-time monitoring solution displays KPI's and displays alerts and can notify of alarm conditions. Simply for Industry 4.0 by leveraging IoT technology and combine your RMS Solution with TAGcx   |

## DETECT & COLLECT



Wireless Sensors  
& Controls

## STORE



High-Availability SCADA with  
embedded Historian

## TAKE ACTION



Web HMI

## Trusted Partners



Visit Our Website  
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