



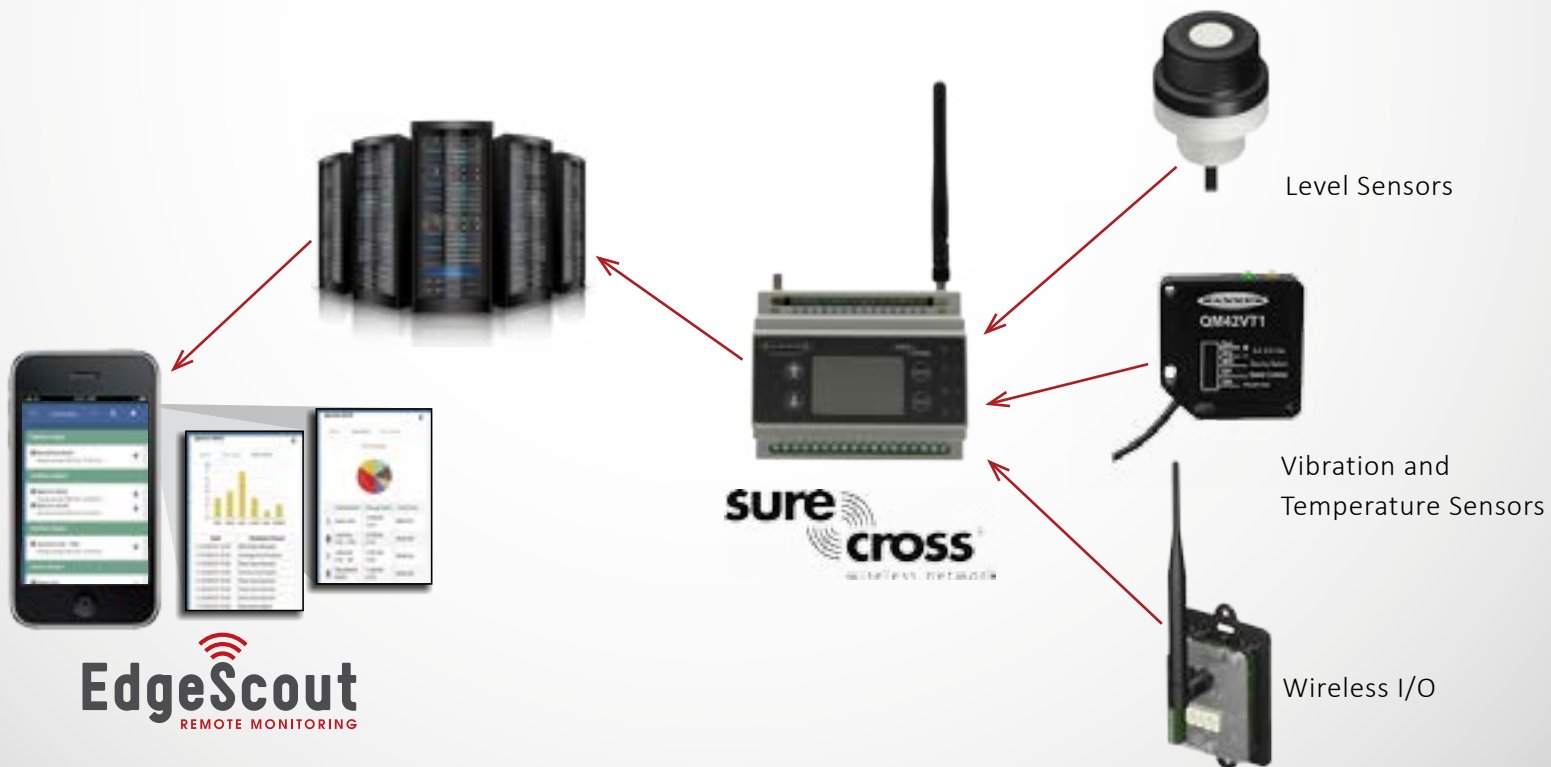
# EdgeScout's Complete IIoT Solutions from the Sensor to the Cloud

Combining Banner Engineering's smart sensors and wireless technology with RRAMAC's EdgeScout remote monitoring system provides complete solutions for Predictive Maintenance, Environmental Monitoring, and Productivity Solutions.

Banner® DXM100 is an industrial wireless controller that interfaces with wired and wireless sensors for monitoring vibration, temperature, humidity, tank level, and more. The DXM100 collects data and pushes it securely to RRAMAC's EdgeScout. EdgeScout is a cloud hosted solution that provides web dashboards, historical trends, smartphone apps, text and email alerts, push notifications, and custom reports.

## Smart Sensor IIOT Solutions

- Predictive Maintenance
- Track and Reorder Consumables
- Historical Trending
- Downtime Reports
- Text/Email/Push Notifications
- Custom Reports



## EdgeScout Remote Monitoring

RRAMAC's hosted solutions include:

- Email and Text alerts
- Live Dashboards
- Historical Trending
- Alarm History
- Downtime Reports
- Predictive Maintenance
- Consumable Goods Tracking
- Custom Reports

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## Banner® DXM100 Industrial Wireless Controller

The DXM100-B1 Wireless Controller is an industrial wireless controller that facilitates Industrial Internet of Things (IIoT) applications. As a communications gateway, it interfaces local serial ports, local I/O ports, and local ISM radio devices to the internet using either a cellular connection or a wired Ethernet network connection.

- Sure Cross® DX80 Wireless Gateway or MultiHop radio with 900 MHz or 2.4 GHz
- ISM bands available
- Logic controller with action rules and ScriptBasic programming
- Cellular radio Internet connectivity
- Automation protocols include Modbus TCP, Modbus RTU, and EtherNet/IP™
- Secure email and text Internet messaging for alarms, alerts, and data log files
- Data logging with removable SD card
- Interactive programmable user interface with LCD and LED indicators
- Universal, on-board I/O with analog and discrete I/O
- Industry standard RS-485, Ethernet, and USB communication ports
- Multiple managed power options with battery backup



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## Banner® Compatible Wireless Accessories



- Vibration and Temperature Sensors
- I/O Nodes
- Temperature and Humidity Sensors
- Q45 Wireless Sensor Radio
- Pushbutton Interface
- Signal Lights
- Vehicle Detection Sensors
- Level Sensors