Wireless Solutions for Agriculture

- Increase productivity with farm-wide wireless monitoring and control of remote systems
  - Irrigation controls and valves
  - Tank and reservoir levels
  - Pumps and filter skids

- Optimize growing results by basing decisions on in-field conditions

- Improve farm performance by logging critical data and receiving real-time alert messages

BANNER®
Soil Moisture Monitoring

Weather Station Monitoring

Tank Level Monitoring

Pump Station Monitoring

DXM100-S2R2
DX800DR9M-H12E
DX800DR9M-H14

DX800DR9M-H12E
DX800DR9M-H14
DX800DRM-H6

DXM100-S2R2
DX800DR9M-H12E
DX800DR9M-H14
DX800DRM-H6
The Banner Engineering Sure Cross™ family creates a powerful wireless network that enables you to monitor conditions, control your irrigation system, collect and send data to a cloud-based platform. It gives you the tools to link your operation’s performance to your PC, tablet, or smart phone.

**DXM Series Base Station**

- DXM100-B2C1R2
- DXM100-B2C1
- DXM100-B2R2
- DXM100-B2
- DXM100-S2R2
- DXM100-S2R2
- DXM100-S2R2
- DXM100-S2R2
- DXM100-S2R2
- DXM100-B2C1R2
- DXM100-B2C1
- DXM100-B2R2
- DXM100-B2
- DX80DR9M-H12E
- DX80DR9M-H14
- DX80DR9M-H16
- DXM100-S2R2
- DX80DR9M-H14
- DX80DR9M-DCLATCH
- DXM100-S2R2

**Tank Level Monitoring**

Receive alerts and messages without website connection.

**Irrigation System Control**

Capture your data the way you want.

**Cloud services compatible**
Compatible Sensors and Accessories

**Pump or Equipment Predictive Maintenance**
- **Vibration and Temperature Sensors**
  - QM42VT1
  - QM42VT2

**Temperature & Humidity Sensors**
- M12FT4Q
- M12FH4Q
- M12FT3Q
- M12FH3Q

**Vehicle Detection**
- M-GAGE™ Sensors
  - DX80N9X1W0P0ZTD
  - DX80N2X1W0P0ZTD
  - DX80DR9M-HMD
  - DX80DR2M-HMD

**Tank, Pond or Reservoir Level Monitoring**
- Ultrasonic Sensors
  - K50UX1RA
  - K50UX2RA

**Asset Tracking or Location**
- GPS50M Receiver

**Remote Field Radios**
- **DX80DR9M-H6**
  - 1-Wire serial interface for use with 1-Wire serial sensors
  - 1-Wire serial interface for use with 1-Wire serial sensors
  - Compatible sensors include Temp/Humidity, Vibration/Temperature, Ultrasonic, NEMA 4X
  - 1-Wire serial interface for use with 1-Wire serial sensors
  - 1-Wire serial interface for use with 1-Wire serial sensors
  - Internal battery or 10-30 V dc

- **DX80DR9M-H12E**
  - (6) SDI-12 Probes, (2) 0-20 mA analog Inputs, (2) NPN Inputs, (1) thermistor input
  - Modbus RTU 485 communications
  - Internal battery or 10-30 V dc operation, NEMA 4X enclosure

- **DX80DR9M-H14**
  - (5) SDI-12 probes, (1) 0-10 V dc or 0-20 mA analog input, (1) NPN or PNP input, (1) thermistor, (1) high speed counter
  - Internal battery operation only, NEMA 6 enclosure

- **DXM Base Stations**
  - **DXM100-B2C1R2**
    - Cellular and ethernet connectivity
    - 900 MHz MultiHop Master Radio
    - (5) SDI-12 probes, (2) DC latching outputs, (4) universal Inputs, (4) discrete outputs, (2) analog outputs
    - Modbus RTU485 Communications
    - 10-30 V dc, solar power charger and battery operation
    - Data logging capability
  
  - **DXM100-B2C1**
    - Cellular and ethernet connectivity
    - 900 MHz MultiHop Master Radio
    - (5) SDI-12 probes, (2) DC latching outputs, (4) universal Inputs, (4) discrete outputs, (2) analog outputs
    - Modbus RTU485 Communications
    - 10-30 V dc, solar power charger and battery operation
    - Data logging capability
  
  - **DXM100-B2R2**
    - Ethernet connectivity
    - 900 MHz MultiHop Master Radio
    - (5) SDI-12 probes, (2) DC latching outputs, (4) universal Inputs, (4) discrete outputs, (2) analog outputs
    - Modbus RTU485 Communications
    - 10-30 V dc, solar power charger and battery operation
    - Data logging capability

- **Remote Field Radios**
  - **DX80DR9M-H6**
    - 1-Wire serial interface for use with 1-Wire serial sensors
    - Compatible sensors include Temp/Humidity, Vibration/Temperature, Ultrasonic
    - Internal battery or 10-30 V dc

- **DX80DR9M-H12E**
  - (6) SDI-12 Probes, (2) 0-20 mA analog Inputs, (2) NPN Inputs, (1) thermistor input
  - Modbus RTU 485 communications
  - Internal battery or 10-30 V dc operation, NEMA 4X enclosure

- **DX80DR9M-H14**
  - (5) SDI-12 probes, (1) 0-10 V dc or 0-20 mA analog input, (1) NPN or PNP input, (1) thermistor, (1) high speed counter
  - Internal battery operation only, NEMA 6 enclosure

- **DXM100-S2R2**
  - (5) SDI-12 Probes, (2) DC Latching Outputs, (4) Universal Inputs, (4) Discrete Outputs, (2) Analog Outputs
  - Modbus RTU485 Communications
  - 10-30 V dc, solar power charger and battery operation

**Additional solutions are available from Banner Engineering, please contact your local Representative for assistance.**