

# nxLINK™

## Smart Sensor Interface



## Intelligent Data Transmission For The Industrial IoT



### Specifications

#### PHYSICAL

|            |                                      |
|------------|--------------------------------------|
| Dimensions | 3.2 x 3.0 x 1.6 in (81 x 76 x 40 mm) |
| Weight     | 8 ounces (225 g)                     |

#### APPROVALS

|                    |  |
|--------------------|--|
| Radiated emissions | FCC Part 15 TWV-FLEXSI<br>Industry Canada 6322A-FLEXSI<br>CE Mark 1588<br>COFETEL RCPNUSA11-0484<br>C-Tick N136                                  |
| Safety approval    | UL60950-1 & UL913, CSA22.2 No 157<br>Certified Intrinsically safe for use in Class 1, Division 1 (Groups A,B,C,D) environments for US and Canada |

#### ENVIRONMENTAL

|             |               |
|-------------|---------------|
| Temperature | -20° to 85° C |
| Humidity    | 100% at 50° C |
| Type        | IP67          |

#### TRANSMITTER

|                  |                                     |
|------------------|-------------------------------------|
| Frequency        | ISM band transceiver, 906 / 868 MHz |
| Protocol         | Proprietary                         |
| Modulation       | Gausin Frequency Shift Keying       |
| Data size / data | 8-64 Bytes / 500 kbs                |
| Antenna          | Internal SMT chip antenna           |

#### UNIT OTA IDENTIFICATION

|                          |        |
|--------------------------|--------|
| Electronic serial number | Paired |
|--------------------------|--------|

#### DIGITAL COMMUNICATIONS

|                       |          |
|-----------------------|----------|
| Programming interface | Wireless |
|-----------------------|----------|

#### SENSOR INFORMATION

|                  |                                     |
|------------------|-------------------------------------|
| Sensor interface | Analog/digital with 4 sensor inputs |
|------------------|-------------------------------------|

#### POWER

|              |  |
|--------------|--|
| Battery      | Tadiran TL5903/S 3.6V 2100 mAh Lithium |
| Battery life | > 1 year lifetime in most applications |
| Replacement  | Field replaceable outside safe zone    |

#### MOUNTING OPTIONS

Tape

#### ACCESSORY TYPES

Programming tools available Q4-2015



nxLINK is a battery powered smart sensor purpose-built for industrial applications, providing remote monitoring of numerous types of events such as tank fill levels, pressure, and temperature. nxLINK constantly monitors far flung assets in the field without the need for expensive infrastructure costs often experience with wired solutions.

Designed for enterprise class industrial and commercial markets, and one of the building blocks of the nxFAST™ platform. nxLINK is water and dust resistant for harsh manufacturing and remote monitoring environments. nxLINK can be attached to equipment to wirelessly send sensor data to a local point for transport either via satellite or cellular network connection for collection, processing, analysis, or input into an application.

#### TYPES OF USE CASES:

**Remote tank monitoring:** Connect up to four tanks on a single nxLINK for precise monitoring of tank fill levels and pressure.

**Refrigerated truck (REFER) monitoring:** Monitor the temperature status of climate controlled trucks that transport perishable goods.

Specifications subject to change without notice.

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NX\_2180\_R1