



BATTERY POWERED,  
CELLULAR GATEWAY  
FOR SENSOR  
MONITORING



# DIGI CONNECT® SENSOR

Easy-to-install and roll-out ready, battery-powered cellular gateway solution

Digi Connect Sensor is a fully integrated, battery powered cellular gateway with I/O for connecting to a wide range of external sensors. Designed to work in rugged industrial environments, Digi Connect Sensor is the ideal solution for companies looking to add remote monitoring in places where power is not easily available. Its easy installation, reliability and low data usage make remote monitoring possible in areas where it was previously cost prohibitive.

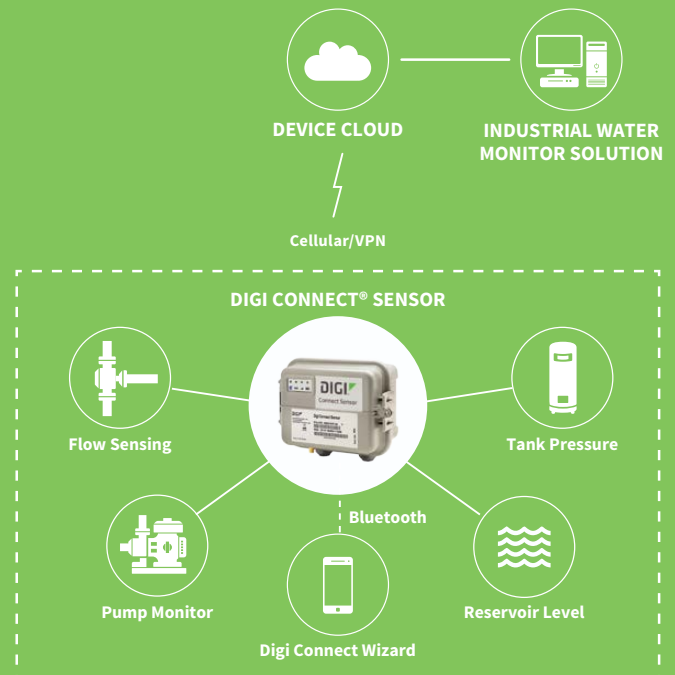
Digi Connect Sensor leverages Digi Device Cloud<sup>SM</sup> and integration services, enabling customers who need to monitor large numbers of sensors to easily integrate that data into existing applications or work with third-party applications.

Digi Connect Sensor works with Digi Connect Wizard. This smartphone application is the first of its kind for this type of battery powered gateway. It gives local installers, technicians or drivers instant feedback of sensor values over Bluetooth. With this, local personnel get immediate status on an action, like filling a tank. This technology replaces the need for outdated LCD displays.

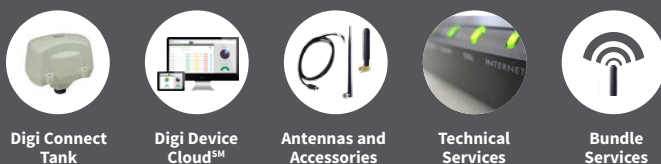
## BENEFITS

- Weatherproof enclosure with wide temperature range makes it ideal for use in all environments
- Configurable read and report intervals with threshold and delta alarms
- Low cellular data usage that is consistent and predictable
- Multiple configurable I/O make it possible to connect to multiple sensor types
- External, configurable power outputs eliminate the need for sensor power supplies
- Penta band cellular module enables global connectivity
- Available with bundled cellular service

## APPLICATION EXAMPLE



## RELATED PRODUCTS



## SPECIFICATIONS

## Digi Connect® Sensor

<b>WWAN</b>	
<b>2G BANDS</b>	GSM 850, GSM 900, DCS 1800, PCS 1900
<b>3G BANDS</b>	FDD B1, B2, B4, B5, B8
<b>LTE CATEGORY 1</b>	Verizon: Bands 2, 4, 13 AT&T, T-Mobile: Bands 2, 4, 5 with 3G/2G fallback
<b>ANTENNA CONNECTOR</b>	External SMA
<b>SIM SLOTS</b>	1, Standard size
<b>MANAGEMENT</b>	
<b>CONFIGURATION AND MANAGEMENT</b>	Digi Device Cloud/Local USB to Serial CLI
<b>COMMUNICATION PROTOCOL</b>	TCP
<b>POWER</b>	
<b>EXTERNAL POWER INPUT RANGE</b>	8 VDC to 30 VDC
<b>BATTERY AND BATTERY LIFE</b>	7.2 V, 14.5 Ah, Lithium thionyl chloride, non-rechargeable, replaceable; Approximately 2 years (@ 2 reads/transmits per day)
<b>POWER DRAW, SLEEPING</b>	86.4 uW
<b>POWER DRAW, PEAK TRANSMIT</b>	14.4 Watts
<b>ANALOG I/O</b>	
<b>INPUTS</b>	4, Configurable as 4/20 mA or 0-10 VDC Analog inputs
<b>INPUT VOLTAGE RANGE</b>	0-10.5 V (Analog input)
<b>INPUT CURRENT RANGE</b>	4-22 mA (Current loop input)
<b>DIGITAL I/O</b>	
<b>PORTS</b>	1 digital I/O or pulse counter input
<b>INPUT RANGE</b>	0-0.6 VDC logic low; 2.2 V-30 VDC logic high
<b>MAX INPUT VOLTAGE</b>	30 VDC
<b>MAX PULSE COUNT FREQUENCY</b>	2 KHZ
<b>DIGITAL OUTPUT</b>	Open collector output, max sink current 450 mA
<b>OUTPUT POWER</b>	
<b>PORTS</b>	5
<b>OUTPUT VOLTAGE OPTIONS</b>	3.3, 5, 15, 24 VDC
<b>MAX CURRENT OUTPUT</b>	200 mA per sensor
<b>ENVIRONMENTAL</b>	
<b>OPERATING TEMPERATURES</b>	-35° C to +70° C
<b>STORAGE TEMPERATURE</b>	-40° C to +85° C
<b>RELATIVE HUMIDITY</b>	90%
<b>BATTERY DISCHARGE</b>	<1%/year if stored at +30° C
<b>PHYSICAL</b>	
<b>DIMENSIONS (L x W x H)</b>	152.4 mm x 108.4 mm (127 mm including glands) x 74.6 mm
<b>WEIGHTS</b>	264 g
<b>LEDS INDICATORS</b>	Battery, cellular, sensor and Bluetooth
<b>ENCLOSURE MATERIAL</b>	Lexan
<b>REGULATORY APPROVALS</b>	
<b>SAFETY</b>	UL60950-1, CAN/CSA C22.2 No. 60950-1-01, IEC 60950-1:2005 (Second Edition); Am1:2009 + Am2:2013, EN 60950-1:2006 / A11:2009 / A1:2010 / A12:2011 / A2:2013 and EN 60950-22:2006; Class 1, Division II, groups A,B,C,D; ANSI/ISA 12.12.01:2015, CAN/CSA C22.2 No 213-15, 1st Ed ATEX (pending) EN 60079-0:2012+A11:2013, EN 60079-15:2010, eII 3 G Ex nA nC IIC T6 Gc
<b>EMISSIONS</b>	FCC part 15 Subpart B class B, EN55022: 2010/AC: 2011 class B, IECs-003 Issue 5: 2012 class B
<b>IMMUNITY</b>	EN55024:2010
<b>WARRANTY</b>	
<b>PRODUCT WARRANTY</b>	3 years, excluding battery

## PART NUMBERS

## DESCRIPTION

<b>CSENSE-A700</b>	Digi Connect Sensor, Global HSPA+
<b>CSENSE-A200</b>	Digi Connect Sensor, Verizon LTE CAT 1
<b>CSENSE-A300</b>	Digi Connect Sensor, AT&T/T-Mobile LTE CAT 1

**DIGI SERVICE AND SUPPORT** / You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit [www.digi.com/support](http://www.digi.com/support).

© 1996-2016 Digi International Inc. All rights reserved.  
All trademarks are the property of their respective owners.

91003268  
A6/1116

**DIGI INTERNATIONAL WORLDWIDE HQ**  
877-912-3444 / 952-912-3444 / [www.digi.com](http://www.digi.com)

**DIGI INTERNATIONAL FRANCE**  
+33-1-55-61-98-98 / [www.digi.fr](http://www.digi.fr)

**DIGI INTERNATIONAL JAPAN**  
+81-3-5428-0261 / [www.digi-intl.co.jp](http://www.digi-intl.co.jp)

**DIGI INTERNATIONAL SINGAPORE**  
+65-6213-5380

**DIGI INTERNATIONAL CHINA**  
+86-21-50492199 / [www.digi.com.cn](http://www.digi.com.cn)



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Gateways category](#):*

*Click to view products by [Digi International manufacturer](#):*

Other Similar products are found below :

[2702887](#) [MTCDT-LEU1-247A-915-EU-GB-AU](#) [MTCAP-LEU1-868-001A](#) [MTCDTIP-LEU1-275L-868](#) [MTCDTIP-LEU1-266A-915](#)  
[MTCDT-LEU1-246A-868-EU-GB](#) [SGX5150020US](#) [SGX5150225US](#) [X2-HMU-EM-B](#) [100-1156-001IA](#) [UPS-EDGE-X70864-U01](#) [4345](#)  
[ADAM-6717-A](#) [EKI-1224CI-CE](#) [ESRP-PCS-WISE710](#) [ICR-3201](#) [ICR-3201-W](#) [ICR-3211B](#) [ICR-3241](#) [ICR-3241W](#) [WISE-3310-D100L1E](#)  
[WISE-3610ILS-51A1N](#) [WISE-6610-E100-A](#) [WISE-6610-N100-A](#) [WISE-710](#) [AKX00016](#) [CSENSE-A300-N](#) [CSENSE-A700](#) [X2E-Z3C-H2-](#)  
[W](#) [X2E-Z3C-W1-A](#) [X4-Z11-E-W](#) [XGI-20CZ7-E00-W0](#) [XGI-2PCZ7-EL1-W0](#) [ReliaGATE 10-12-65](#) [BLG840F](#) [BLG840X](#) [BM833AF](#)  
[BWG832F](#) [BWG832X](#) [BWG840F](#) [PKG900000001385](#) [AGS102-I50-6COM](#) [455-00008](#) [455-00028](#) [450-00038-K1](#) [450-00011-K1](#) [450-](#)  
[00039-K1](#) [450-00054-K1](#) [450-00107-K1](#) [450-00109-K1](#)