



Manage this device with Digi Remote Manager

# 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, the Connect Sensor+ is the ideal solution for companies looking to add remote monitoring and diagnostics 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.

Local protocol support allows the Connect Sensor+ to communicate with Modbus sensors and capture sensor diagnostics along with data. This enables users to not

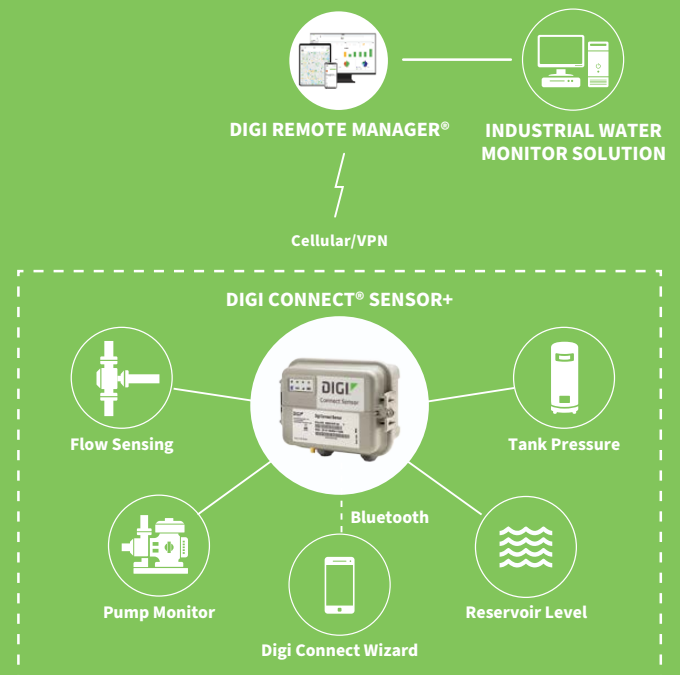
only monitor their data but also remotely diagnose the health of their sensors. Digi Connect Sensor+ leverages Digi Remote Manager® (Digi RM), enabling customers who need to monitor large numbers of sensors to easily integrate that data into existing applications or work with third-party applications. Gain critical insights into your deployed devices and manage your network with Digi RM — the command center for your deployment.

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®.

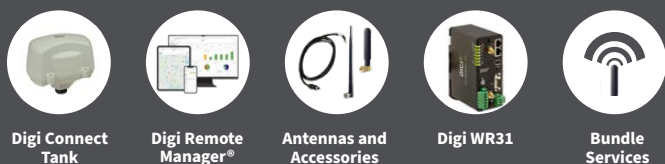
## BENEFITS

- Weatherproof enclosure with wide temperature range makes it ideal for use in all environments
- Configurable read and report intervals with threshold and delta alarms
- Multiple configurable I/O make it possible to connect to multiple sensor types
- Modbus protocol support
- External, configurable power outputs eliminate the need for sensor power supplies
- Global cellular coverage
- Digi Remote Manager platform for easy management

## 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, 12 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 Remote Manager® (cloud-based); local USB to serial CLI
<b>POWER</b> (Does not include power draw of external sensors)	
<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, CONTINUOUS MONITOR</b>	400 mW
<b>POWER DRAW, PEAK TRANSMIT</b>	14.4 Watts
<b>SENSOR PROTOCOL SUPPORT</b>	
<b>MODBUS</b>	Modbus RTU AND ASCII, connect to up to 4 devices
<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>INTERNAL A/D CONVERTER</b>	12 bit
<b>DIGITAL I/O</b>	
<b>PORTS</b>	1 digital I/O or pulse counter input
<b>INPUT RANGE</b>	0-0.6 VCD 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
<b>ENVIRONMENTAL</b>	
<b>OPERATING TEMPERATURES</b>	-35° C to 70° C (-31° F to 158° F)
<b>STORAGE TEMPERATURE</b>	-40° C to 85° C (-40° F to 185° F)
<b>RELATIVE HUMIDITY</b>	90%
<b>BATTERY DISCHARGE</b>	<1%/year if stored at 30° C (86° F)
<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 (6 in x 4.27 in, 5 in including glands, x 2.94 in)
<b>WEIGHTS</b>	264 g (0.58 lb)
<b>LEDS INDICATORS</b>	Battery, cellular, sensor and Bluetooth®
<b>ENCLOSURE</b>	Lexan/IP66
<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 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-year*

\*Standard 3-year warranty upgradeable to 5 years with purchase of a Digi Remote Manager Premier 5-year subscription applicable to the product purchased only at the time of product purchase and with product registration at that time in Digi Remote Manager.

# DIGI REMOTE MANAGER®



Digi Remote Manager is the technology platform that brings networks to the next level, allowing networks — and the people who manage them — to work smarter. With Digi Remote Manager you can transform a multitude of dispersed IoT devices into a dynamic, intelligent network. Now you can easily deploy, monitor and diagnose thousands of mission-critical devices from a single point of command — on your desktop, tablet or phone. All the while, its software-defined security diligently safeguards your entire Digi ecosystem.

Learn more at [www.digi.com/digi-remote-manager](http://www.digi.com/digi-remote-manager)

## CAPABILITIES

- Activate, monitor and diagnose your mission-critical devices from a single point of command and control — on your desktop or mobile app
- Schedule key operations — including firmware updates and file management — on a single device or on a group of devices, keeping your network functionality up-to-date and maintaining compliance standards
- Manage edge devices out-of-band via console terminal access
- Keep tabs on device health and connectivity across device deployments of any size
- Create detailed reports and enable real-time alerts for specified conditions
- Integrate device data through open APIs to gain deeper insights and control with third-party applications
- Report and alert on performance statistics, including connection history, signal quality, latency, data usage and packet loss

## INFRASTRUCTURE

- Hosted in a commercial-grade cloud server environment that meets SOC 1®, SOC 2® and SOC 3® standards
- Superior availability, operating to 99.9% or greater
- Open APIs available to support application development

## SECURITY

- More than 175 security controls in place to protect your data
- Member of the Center for Internet Security® (CIS®)
- Enables compliance with security frameworks like ISO27002, HIPAA, NIST and more
- Earned Skyhigh’s CloudTrust™ Program highest rating of Enterprise-Ready

PART NUMBERS	DESCRIPTION
CSENSE-A210	Connect Sensor+, Verizon LTE
CSENSE-A310	Connect Sensor +, AT&T and T-Mobile LTE

\*Antennas are sold separately

PART NUMBERS	DIGI REMOTE MANAGER®
DIGI-RM-STD-1YR	Digi Remote Manager Standard - 1-year subscription
DIGI-RM-PRM-1YR	Digi Remote Manager Premier - 1-year subscription
DIGI-RM-PRM-3YR	Digi Remote Manager Premier - 3-year subscription
DIGI-RM-PRM-5YR	Digi Remote Manager Premier - 5-year subscription

**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).

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