

# Sensor Node

## Intelligent IoT Endpoint



**Connected Development Sensor Node** is a programmable, intelligent endpoint with multiple I/O ports allowing users to easily connect a wide variety of external industrial sensors. The Sensor Node operates on a 9V battery or external power supply.

The Connected Development Sensor Node is powered by MultiTech's MultiConnect® Dragonfly™ Nano System-on-Module. The Sensor Node comes preloaded with an application that is designed to periodically monitor sensors and report the readings back over a cellular network.

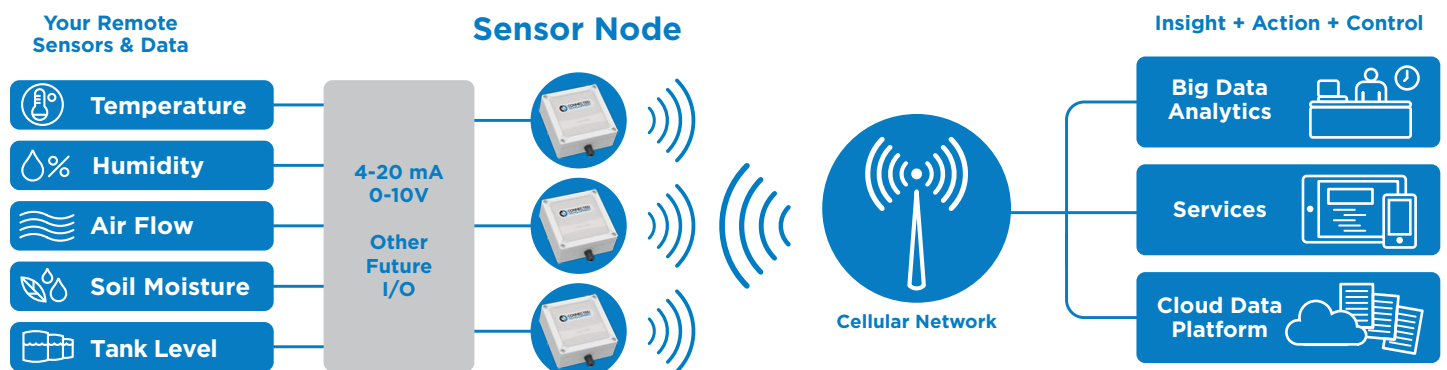
For maximum flexibility, the Connected Development Sensor Node supports three programmable I/O ports which can be used to connect either 4-20mA or 0-10V sensors. Future versions will include other I/O cards offering additional support for other types of sensors.

### BENEFITS

- Range of miles
- Deep building penetration
- Weather resistant
- Customizable

### FEATURES

- LTE Cat M1 Cellular
- Three programmable I/O ports (two 4-20mA and one 0-10V)



## PROFESSIONAL SERVICES

Are you looking for I/O interfaces that are not currently supported? Do you need to send your data to a particular backend cloud service using a particular protocol? Do you require certain certifications for your use case? The Sensor Node can be customized to your specific requirements. Contact a Connected Development sales representative for more details on how we can help you get your customized solution to market in the shortest period of time possible.



## Sensor Node Intelligent IoT Endpoint

## SPECIFICATIONS

Model	SNM-001
Communication	Supports MQTT over Cat M1 cellular networks
Connectors	RSMA Antenna Connector (External) Screw Terminal I/O Connector (Internal) / Config & Debug Connector (Internal)
Host Processor	Cortex-M4 (STM32L471xx) 1 Mbyte Flash and 128 Kbyte SRAM
I/O	Two Programmable 4-20mA and one 0-10V
Dimensions	122 mm x 124 mm x 55 mm (4.8" x 4.9" x 2.2")
Input Voltage	9V Power Supply
Environmental	
Operating Temperature	-40° C to +85° C (-40° F to +185° F)
Storage Temperature	-40° C to +85° C (-40° F to +185° F)
Relative Humidity	20% to 90% RH, non-condensing
Certifications	
EMC Compliance	FCC Part 15 Class B
Radio Compliance	FCC Part 22, 24, 27
Safety	UL/cUL 60950-1 2nd Ed., cUL 60950-1 2nd Ed
Certification	PTCRB
Carrier	AT&T / Verizon Wireless
Warranty	2-Years

## ORDERING INFORMATION

Model	Description	Region
SNM-001	LTE Cat M1 Cellular / 3 Port / 9V Operation	US/Can

Produced in the U.S. of U.S. and non-U.S. components. Features and specifications are subject to change without notice.

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## Services

Connected Development's comprehensive Service program offers a full array of options to suit your specific needs. These services are aimed at protecting your investment, extending the life of your solution or product, and reducing total cost of ownership. Our seasoned technical experts, with an average tenure of more than 10 years, can walk you through smooth installations, troubleshoot issues and help you with configurations.

## Installation Support

With Connected Development you have the ability to work one-on-one with an experienced engineer, to guide you through the installation process for our products.

## Headquarters

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