

## Commercial Monitoring Products

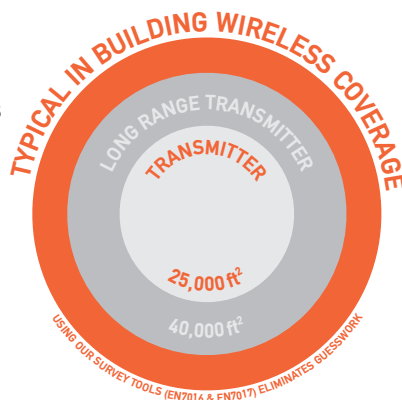
Inovonics commercial monitoring products are designed to help track temperature, humidity, the presence of water, and a wide variety of current or voltage-based applications.

## Commercial Monitoring Software

For a list of our vendor partners that provide software solutions using Inovonics hardware, please visit [www.inovonics.com/products-overview/how-to-buy-commercial-monitoring](http://www.inovonics.com/products-overview/how-to-buy-commercial-monitoring).

## Inovonics EchoStream Network

Unique to Inovonics is the high power repeater mesh that intelligently amplifies transmissions from EchoStream transmitters. Providing coverage in all types of building construction, thus eliminating the need for labor associated with wired installs. EchoStream provides the flexibility to cover small, medium and large commercial buildings as well as complete campuses.



## Software Application



**Head End**



**Receiver**



**IP Gateway**

## Sample Applications

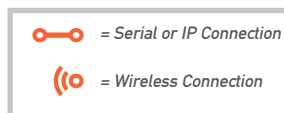
<b>Pharmaceutical/Vaccine Storage</b> 	<b>Blood/Tissue Storage</b> 	<b>Food Safety</b> 	<b>Water Leak</b> 
<b>Pipe Freeze</b> 	<b>Critical Infrastructure</b> 	<b>Steam Pressure</b> 	<b>Barn/Farm Environment</b> 



**Repeater Network**



**Commercial Monitoring Transmitters**



### Dual Input Temperature Transmitter

The **EN1723** dual input temperature transmitter provides internal measurement and external thermistor options in a single device.



### Temperature/Humidity Transmitters

Our temperature/humidity transmitters are designed for monitoring of ambient and extreme conditions.

Temperature/Humidity Normal Operations  
**EN1721**

Temperature/Humidity Harsh Environments  
**EN1722**  
(Requires ACC710)



### Universal Logger

The **EN1702** universal logger offers the flexibility of an Inovonics universal transmitter, with out-of-the-box compatibility for both voltage and current analog sensors, to support a variety of data logging applications.



### Water Detector

The **EN1751** water detector provides early warning against damage caused by leaking appliances and standing water when used with the Honeywell® FP280 or Flair Electronics® 1010-H2OS36-EN1751.

*Probe sold separately.*



### Temperature Detector

The **EN1752** temperature detector enables programmable temperature threshold alarming for ambient temperature and external monitoring when used with the Honeywell® T280R temperature probe.

*Probe sold separately.*



### Pulse Meter Transmitter

The **EN1501-XL** pulse meter transmitter can be used for general counting and a variety of energy consumption applications.



### RF Modules

RF modules can be integrated into other monitoring end points, enabling you to make your entire portfolio wireless.

One-Way Binary  
**EN1941**

One-Way Serial Data  
**EN1941XS**

Two-Way Serial Data  
**EN3942XS**



### Universal Serial Receiver

The **EN4000** universal serial receiver is a wireless gateway between Inovonics one-way transmitters and a software application using an RS-232 serial interface.



### Network Coordinator

The **EN6040-T** network coordinator manages signals between end devices, repeaters and the application controller in directed network systems.



### High Power Repeater

The high power repeater amplifies transmissions from any transmitter. Multiple repeaters can be used to provide campus wide coverage.

High Power Repeater with Transformer  
**EN5040-T**

Without Transformer  
**EN5040**



### Survey and Diagnostic Tool

The **EN7016** survey and diagnostic tool is designed for experienced Inovonics users to conduct site surveys and diagnose network health for new or existing EchoStream installations.

Includes both  
**EN1223SK** and  
**EN1210SK**  
survey transmitters



### Survey Kit and App

The **EN7017** survey kit and app provides a wireless blueprint in advance of installing devices, allowing the quick preparation of accurate quotes.

Mobile app available on Android and iOS devices.



### IP Gateway

The **EN4080** IP gateway combines the functionality of an Inovonics EN4000 receiver with the flexibility of an IP appliance.

*Message queuing telemetry transport (MQTT) license required*

