![Inovonics logo]

Wireless for Commercial Security

For commercial buildings and campus-based coverage, Inovonics wireless intrusion detection devices, panic alarms and scalable network integrates easily into access control, intrusion and video management systems.

Simple and Flexible Integration

Through a variety of RF gateways, Inovonics wireless devices can be added to virtually any intrusion, access or video management system (VMS).

Integrating Devices

Serial Receivers

Serial receivers use a predefined and matched serial data steam as input to Intrusion, Access or VMS's.

EN4200: Refer to Panel Partners for product details.

Add-On Receivers

Add-on receivers use hardwired form C relays as inputs to Intrusion, Access or VMS's.

EN4232MR, EN4216MR, EN4204R

Panel Partners - Inovonics Products

HONEYWELL® - EN7290[1] c(UL)us		
VISTA - 128 - 127 pts.		VISTA - 250 - 249 pts.
BOSCH - EN4200[3]		
BOSCH D7212G - 32 pts.	BOSCH D712G - 67 pts.	BOSCH D412G - 238* pts.
BOSCH B3512 - 8 pts.	BOSCH B4512 - 20 pts.	BOSCH B5512 - 40 pts.
BOSCH B6512 - 88 pts.	BOSCH B8512G - 91 pts.	BOSCH B9512G - 350 pts.
CHUBB EDWARDS - EN4200[3] c(UL)us		
AFx - 32 pts.		
ICT - EN4200[3]		
Protege WX - up to 255 pts.		Protege GX - up to 255 pts.
INTERLOGIX - EN4200[3] c(UL)us		
Verex Monitor XL - 32 pts.		
JOHNSON CONTROLS - EN7290[1] c(UL)us		
TYCMSM128 - 127 pts.		TYCMSM250FB - 249 pts.
PACOM - EN4200[3] c(UL)us		
8002 Controller - 256 pts.		
SONITROL c(UL)us		
iBase - 64 pts.	FlexiBase - 64 pts.	FlexIP - 64 pts.

Other Commercial Panels - Add On Receivers
Connect almost any panel I/O device through the receivers form C relay outputs.

| Receiver	Transmitters	Outputs	
		Alarm	Fault
EN4204R c(UL)us	4	4	1
EN4216MR c(UL)us	16	5	1[2]
EN4232MR c(UL)us	32	11	1[2]

(1) Serial interface supports multi-condition pendants   (2) User assigned fault outputs

(3) EN4200 may have a different part number and must be purchased through system integration partners

Mission Critical Reliability For Panic Alarm Signalling

The Inovonics commercial mesh network uses a frequency-hopping, spread-spectrum technology that sends redundant messages across multiple channels to avoid interference obstacles. The scalability of the network is provided by high-power repeaters that auto-configure to receive, decode, prioritize and retransmit signals from wireless transmitters. In short, repeaters act as multi-path range expanders to provide wireless coverage in commercial buildings and accross campuses.

STOP

Narrowband
300/433 MHz

STOP

900 MHz Spread Spectrum =
Frequency and time diversity
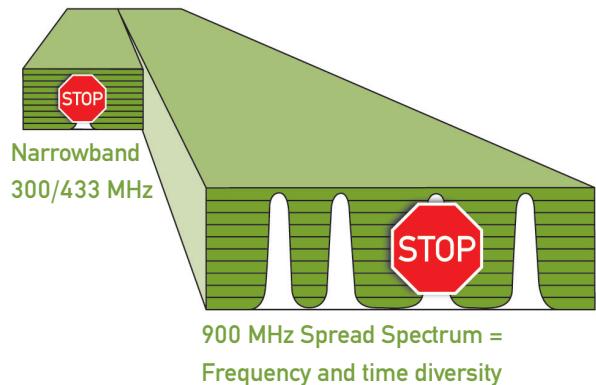
Designed to move small amounts of data over a moderate range. Inovonics network offers a key functional advantage in that, the panic button gives mobile employees the ability to trigger an alarm from anywhere coverage is provided.

Inovonics Network

Your Network

Transmitter
Detects and sends sensor and alarm state of health messages.

Repeater
Extends coverage area by auto-configuring mesh network.

Receiver
Prioritizes alarms, alerts and state of health messages and relays them to the head-end application.
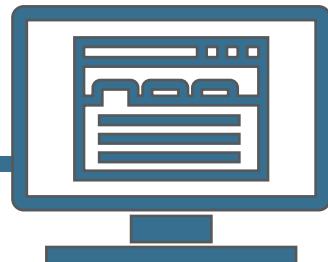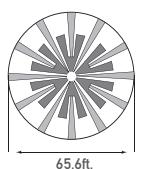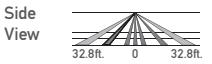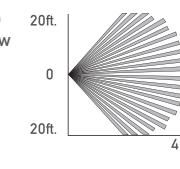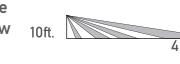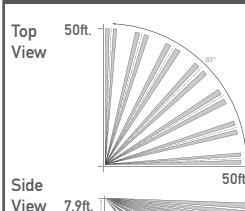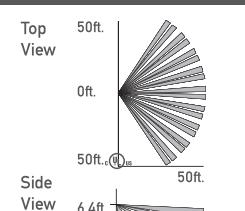
Head-End Application
Translates alarms, alerts and state of health messages into specific actions for the user.

Single Facility to
Campus-Wide Coverage

The Inovonics network is scalable to cover areas from square feet to acres, providing coverage for large commercial buildings as well as multi-building campuses. For 30 years, Inovonics has covered government facilities, historic and national landmarks, critical infrastructure facilities, K-12 schools, banks, hospitals, and retail establishments.

Transmitters
Detects and sends sensor and alarm state of health messages.

Repeaters
Extends coverage area by auto-configuring mesh network.

Receiver
Prioritizes alarms, alerts and state of health messages and relays them to the head-end application.

Head-End
Translates alarms, alerts and state of health messages into specific actions for the user.
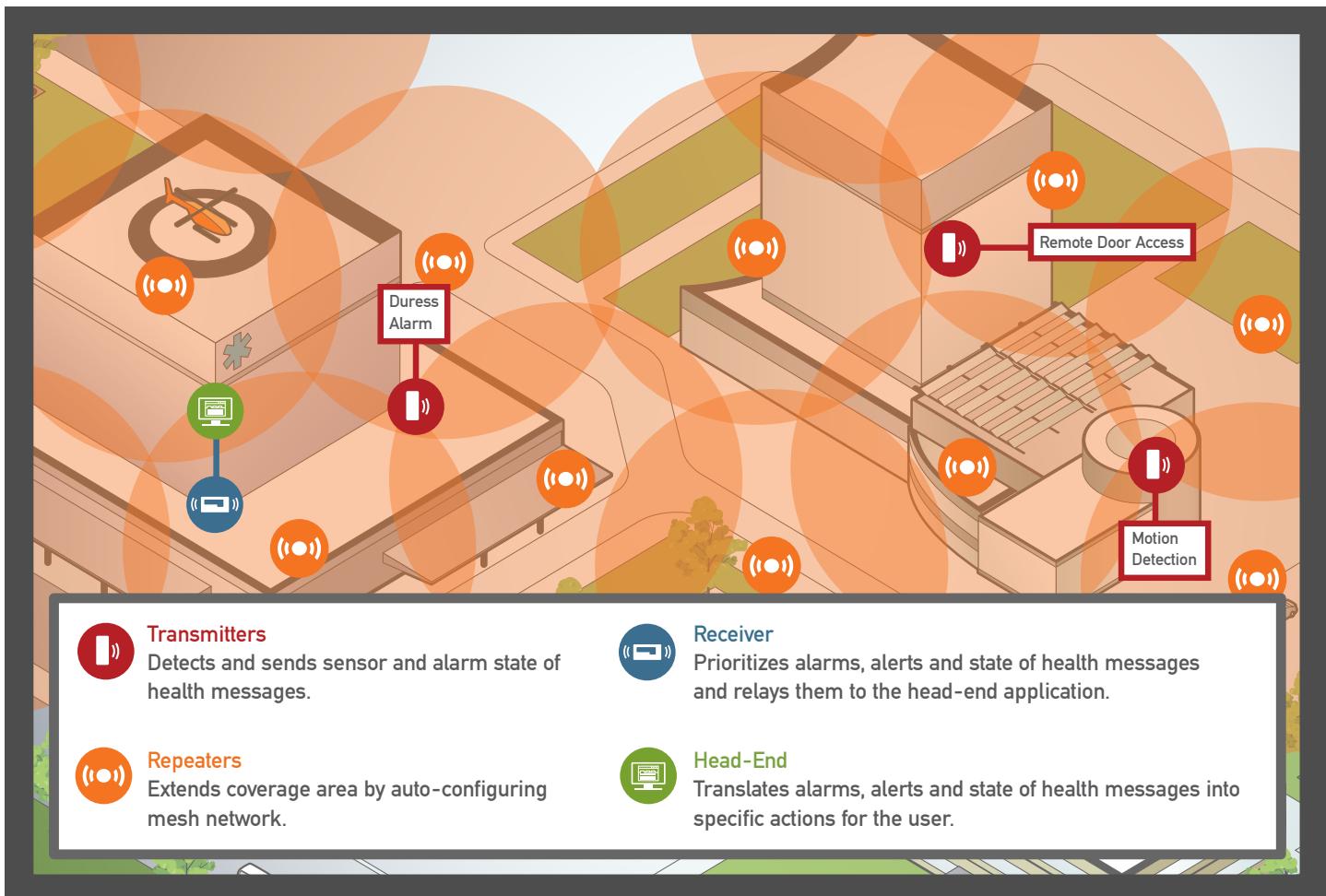
Water Resistant Pendant Transmitters

Compact single or double button pendant that can be supervised. LED flashes when transmitting. Ideal for healthcare applications.

Single Button **EN1223S**

Double Button
EN1223D

Wristband **ACC623**

Necklace Pendant Transmitters

Sleek single or double button pendant that can be supervised. LED flashes when transmitting. Easy to wear with included necklace.

Single Button **EN1233S**

Double Button
EN1233D

Belt Clip Pendant Transmitters

Sleek single or double button pendant that can be supervised. LED flashes when transmitting. Durable belt clip included..

Single Button **EN1235S**

Double Button
EN1235D

Fixed Position Hold Up Pendant Transmitters

Fixed position transmitters include mounting hardware for easy installation and back tamper for removal alarms

Single Button **EN1235SF**

Double Button **EN1235DF**

Four Condition Pendant Transmitters

Multiple condition pendants require the use of a multi-condition receiver and application designed to support advanced functionality

Four Condition **EN1224**

Four Condition On/Off
EN1224-ON

Multi Condition Pendant Transmitters

Multiple condition pendants require the use of a multi-condition receiver and application designed to support advanced functionality.

Three Condition **EN1236D**

Two Condition **EN1238D**

Universal Transmitters

Universal transmitters can be used with any standard N/O or N/C sensor and include a case tamper switch.

Universal Transmitter **EN1210**

With EOL Resistor
EN1210EOL

Door/Window Transmitter with Reed Switch
EN1210W

Universal Transmitters with Wall Tamper

Wall tamper switch adds protection from device removal.

Universal Transmitter with Wall Tamper **EN1215EOL**

With Reed Switch and Magnet **EN1215WEOL**

Dual Input Universal Transmitter

Dual input universal transmitters can be used with any standard N/O or N/C sensor and include an additional N/C input.

Dual Input Universal Transmitter **EN1212**

With Wall Tamper **EN1216**

Long Range **EN1252**

Smoke Detector

The **EN1244** features an onboard sounder, an LED indicator, tamper, EchoStream® network supervision, and local test capability.

Wireless CO Detector

The **EN1245** features an onboard sounder, a CO sensor, LED indicators and local test capability to allow the user total visibility of its functionality.

Billtrap Transmitter

The **EN1249** provides the flexibility for use in cash drawers for use in any financial or retail environment. Features case and back tamper, Smart Baiting with LED confirmation, and two or ten second delay transmission modes.

Glassbreak Detector

The **EN1247** uses acoustic pattern recognition technology for proven performance, extended range, and increased immunity to false alarms. 20ft radius allows for multiple window coverage.

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

Probes sold separately.

Temperature Detector

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

Probe sold separately.

360° Ceiling Mount Motion Detector

The **EN1265** four element motion detector offers a 360° coverage pattern, case tamper switch, and up to an 18ft mounting height with the included lens.

High Ceiling Lens (25ft)
ACC669

360° Ceiling Mount Motion Detector Coverage

Top View

Side View

65.6ft.

32.8ft.   0   32.8ft.

Motion Detector with Pet Immunity

The **EN1262** is designed for low traffic applications and features pet immunity to reduce false alarms from animals. Includes a case tamper switch and optional wall tamper.

Motion Detector with Pet Immunity Coverage

Top View

20ft.

0

20ft.

40ft.

Side View

10ft.

40ft.

## High Traffic Four Element Motion Detector

The **EN1261HT** is developed specifically for high-traffic environments delivering approximately four years of battery life. Includes case and back tamper, and features pet immunity up to 33lbs/1ft

Long Range Lens (60ft)
ACC668

High Traffic Four Element Motion Detector Coverage

Top View

50ft.

90°

50ft.

Side View

7.9ft.

50ft.

Wall Mount Motion Detector

The **EN1260** features digital signal processing that recognizes human signatures to reduce false alarms.

Curtain Lens Kit
ACC672CT

Long Range Lens Kit (99ft) **ACC672LR**

Pet Alley Lens Kit
ACC672PA

Wall Mount Motion Detector Coverage

Top View

50ft.

0ft.

50ft.

50ft.

Side View

6.4ft.

50ft.

Add-On Receivers

Add-on receivers cost effectively add EchoStream wireless transmitters to any installation. Includes form C relays with dedicated alarm and fault output. The **EN4216MR** and **EN4232MR** are UL listed, support multi-condition transmitters, and include event logging.

Receiver	Transmitters	Outputs
EN4204R	4	4 Alarm / 1 Fault
EN4216MR	16	5 Alarm / 1 Fault
EN4232MR	32	11 Alarm / 1 Fault

Serial Receivers - Direct to Panel Integration

Serial receivers integrate directly to partner panels used in commercial access control/intrusion. These integrations leverage programming and wiring familiarity to expedite inclusion, or expansion, of wireless end points.

Panel integration list on front

High Power Repeater

The high power repeater amplifies transmissions from any transmitter.

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

Without Transformer **EN5040**

Weatherproof Enclosure **ACC650**

Survey Receiver

The **EN4016SK** survey receiver is a portable and easy to use tool for determining the optimal location for transmitters and repeaters. Reduce bid risk, decrease installation time, and build credibility with clients.

Survey Transmitters

Survey transmitters are used with the EN4016SK survey receiver to help determine optimal location for transmitters and repeaters.

Survey Universal **EN1210SK**

Survey Pendant **EN1223SK**

Survey Kit & App

The **EN7017** survey kit and app reduces bid risk, decreases installation time, and builds credibility with clients. Quickly prepare accurate quotes for even the most complex jobs.

Mobile app available on Android and iOs devices.

The range and performance of any wireless product depends on the structure and environment in which it operates. Continual enhancements to our products may cause specifications to change without notice. Visit our website for UL information.