



## Receivers:

Receivers are the communication link between the wireless network and a security panel. Our family of receivers offers the ultimate flexibility for creating a wireless system or adding wireless to an existing installation by supporting single and multiple condition transmitters. Choose between a selection of stand alone receivers to suit any size application. All receivers feature Inovonics EchoStream technology with diversity reception and advanced signal processing to minimize “nulls” or dead spots, and provide superior performance in RF noisy environments.

## Why Inovonics Wireless is Best

The Inovonics Commercial Mesh Network has been specifically developed for commercial applications to provide the most cost-effective solution for a wide range of applications, while setting new standards for performance and reliability in a wireless sensor network.

### Reliability

Inovonics EchoStream 868MHz radio utilizes a unique multi-frequency, spread spectrum technology to meet the demands of an increasingly cluttered wireless world.

### Flexibility

The flexibility of wireless is a necessity in today’s dynamic commercial environments. The self-configuring EchoStream Commercial Mesh Network allows you to adapt to changing floor plans and requirements in a matter of minutes. New sensors can be added to the network as fast as they can be mounted.

### Scalability

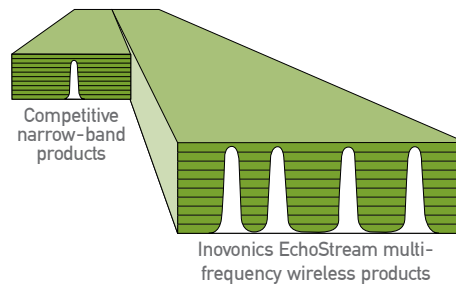
The EchoStream Commercial Mesh Network’s backbone of intelligent repeaters can extend coverage to thousands of sensors across entire commercial campuses.

## Why Do You Need EchoStream Radio?

To help ensure reliability! The airwaves are getting more crowded as the world goes wireless. Inovonics EchoStream uses a unique spread spectrum technology to maximize range and reliability.

Virtually all competitive wireless systems send information on one very narrow band channel. Any in-band interference can result in missed signals.

Inovonics EchoStream technology sends completely redundant messages on multiple different channels across the entire approved band, creating the most reliable wireless system available.



### Stand Alone Receiver Features

- System test mode allows authorized users to perform functional test of all transmitters programmed to the system.
- Password protected access levels for end user, authorized user, and authorized installer
- Case tamper notification.
- Jam detection monitors all RF channels for interference.
- Open collector versions support a normally open (N/O) or normally closed (N/C) configuration.
- Reset terminal to allow for externalized receiver resets.
- Tamper terminal to allow for externalized tamperers.

### Add-On Receiver Specifications

Receiver	Frequency	Dimensions	Power requirements	Max current	# of transmitters	Open collector outputs	Relay outputs
EE4204	868MHz	165x89x25mm	10-14VDC	400mA	4	4 alarm / 1 fault	-
EE4204R	868MHz	165x89x25mm	10-14VDC	400mA	4	-	4 alarm / 1 fault

### Serial Receiver Features

- Wireless gateway between EchoStream one-way transmitters and a head-end application using an RS-232 serial interface.
- EE4000 enables the integration of security, temperature and analog transmitters.
- EE4200 enables the integration of one-way security transmitters and an head end application using an RS-232 serial interface.
- Jam detection monitors all channels for presence of interference.

### Serial Receiver Specifications

Receiver	Frequency	Dimensions	Power requirements	Max current
EE4200	868MHz	165x89x25mm	10-14VDC	100mA
EE4000	868MHz	165x89x25mm	10-14VDC	100mA

EE4200, EE4216M, EE4216MR, EE4232M compliance: EN50131 Security Grade 2; EN50130 Environmental class II  
Visit [www.inovonics.com](http://www.inovonics.com) for regulatory compliance information.

- Serial receivers require integration with the control panel, PC application or other control device.
- Operating environment: 0° to 60°C, up to 90% relative humidity (non-condensing).
- 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.