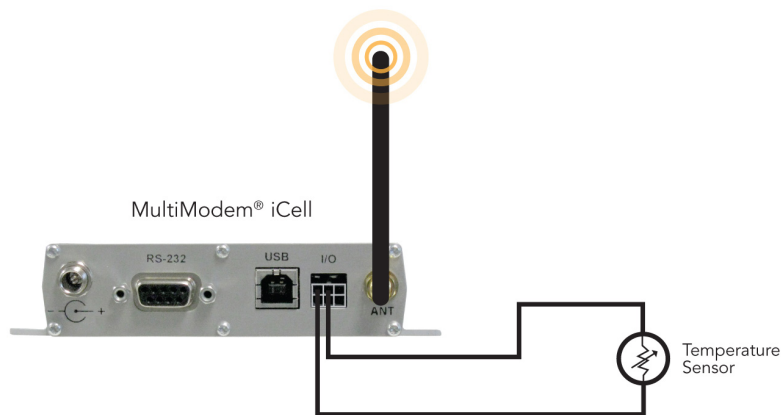


## Event Alarming with Multi-Tech's Intelligent Cellular Modems

### The Customer's Need

Working in a global marketplace, a company needs to be knowledgeable of their assets no matter where they are on the globe. Some assets in regulated industries require immediate notification if sensor levels fall into unacceptable ranges. Using cellular telecommunications with remote assets for event alarming gives companies an efficient way to "see" what is happening without physically being there, but also allows a company to react appropriately when an event happens. This cost-effective monitoring can save resources, assets and revenue for a company, and make sure that resources are allocated only to places where they need to be.



### Application 1:

Restaurants suffer significant monetary loss each year as a result of food spoilage. This industry is actively taking steps to reduce and correct this issue. An intelligent cellular modem can trigger alarms via e-mail to indicate if the temperature of a refrigeration unit has fallen into an unacceptable range. Maintenance professionals receiving these notifications can be dispatched to fix the unit before there are significant losses.

### Application 2:

Disposal of wastewater from industrial plants is a difficult and costly problem. The integration of an intelligent cellular modem would allow for the monitoring and maintenance of chemical levels to ensure the pollutant concentrations comply with regulations regarding disposal into rivers, lakes or oceans. If the concentrations become out of balance the modem can trigger an alarm to initiate immediate corrective action.

### Application 3:

Smart grids are being launched in many countries to upgrade and automate the distribution and transmission of electricity. Smart grids use robust two-way communications, advanced sensors, and distributed computing technology to improve the efficiency, reliability and safety of power delivery and use. An intelligent cellular modem aids in communicating sensor information to adjust power levels if an alarm is triggered showing that demand for electricity is rising.

## Multi-Tech's Solution

Multi-Tech's MultiModem® iCell intelligent cellular modem is ideal for data-intensive, mission critical applications. The intelligence derives from Multi-Tech's Universal IP™ for enhanced M2M connectivity. This Universal IP stack provides developers a common programming interface effectively future proofing their application as new cellular technologies are introduced. Some of the benefits of Universal IP are automatic and persistent connectivity, device monitoring, and event monitoring and reporting, all of which are essential when adding intelligence to a remote monitoring and event alarming situation.



## Ordering Information

Product	Description	Region
MTCMR-H	Intelligent HSDPA Modem	Global
MTCMR-E	Intelligent EDGE Modem	Global
MTCMR-G-F4	Intelligent GPRS Modem	Global

## About Multi-Tech Systems

Multi-Tech Systems, Inc., is a global manufacturer of award-winning external and embedded modems and Unified Communications products that connect data over cellular and analog networks from anywhere in the world. As a leader in the industry for 40 years, Multi-Tech's reputation for reliability and innovative design is evident with 80+ patents, 20+ million devices being used by thousands of customers worldwide and certifications from more than 20 carriers and over 80 countries. Multi-Tech is certified by the WBENC as a Women's Business enterprise, and by C-TPAT (Custom Services Trade Partnership Against Terrorism).

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