industrialnetworking.com

Wireless IoT Solutions

Hardware, Software and IT Services for critical Enterprise and Industrial wireless IoT applications

WHO WE ARE

INS distributes products, offers technical support and provides IT services for wired and wireless machine networking applications. Since its founding in 1998, INS has seen the industry space it serves evolve from "Industrial Ethernet" to "Machine-to-Machine" (M2M) and now the "Internet of Things" (IoT). Throughout these changes in industry jargon, one thing has stayed constant: INS's commitment to provide our customers with best-in-class products, support and services for their critical wired and wireless machine networking applications.

CONTACT INS

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WIRELESS IoT OVERVIEW

The Internet of Things (IoT) is defined as a system of physical objects (devices, vehicles, controllers and other items) embedded with electronics, software, sensors, and network connectivity, which enable these physical objects to collect and exchange data. Wireless IoT networks simply utilize a radio frequency transmission method rather than hardwired fiber optic or copper cabling to provide the network connectivity between IoT physical objects.

While localized Wi-Fi and leased-spectrum wireless IoT networks have been around for years, wireless IoT networks spanning state, country, and continental boundaries have rapidly become a viable option. Why? Smart Phones! Vast investments by cellular network providers to provide reliable Internet connectivity to smart phone users, wherever they may wander, have resulted in much of the world being blanketed with reliable, high-speed wireless data networks. Wireless IoT gateways can connect machinery to these cellular networks, enabling real-time remote access, video monitoring, wireless redundant backup for wired networks and many other innovative applications.

INS can provide a broad spectrum of solutions, from simply supplying wireless IoT networking hardware all the way to designing, installing and commissioning a turn-key wireless IoT network.

CELLULAR ROUTERS AND GATEWAYS

Sierra Wireless
Rugged mobile gateways

CradlePoint
Enterprise class cellular routers

Digi
Wireless routers and gateways

Peplink
Rugged business routers

ETHERNET RADIOS

Moxa
Indoor and outdoor industrial wireless LAN

Hirschmann
Indoor and outdoor industrial wireless LAN

ESTeem
Ethernet and serial wireless radios

Peplink
Enterprise and industrial WLAN solutions

WIRELESS IoT SERVICES

In addition to providing best-of-class cellular IoT network hardware, INS has developed service offerings to ensure your IoT technology deployment goes smoothly:

- Providing rapid and capable Tier 1 and Tier 2 technical customer support.
- Activating IoT hardware on the customer's preferred carrier network.
- Provisioning IoT hardware to be operational "out of the box" upon receipt.
- Providing managed services encompassing spares inventories, field-user support and replacement hardware fulfillment.

The INS Engineering Services team can even assist in the development of custom applications, installation of devices in the field and the turn-key startup of your IoT system. Call the INS IoT team to discuss your particular needs.

"What made working with INS so easy was their pre-configuration of our cell routers to make them work right out of the box!" - IT Director, Major Oil and Gas Producer

ACCESSORIES

Antennas
Fixed, mobile and portable antennas

Mounting Hardware
DIN-rail, pole and panel mount solutions

Enclosures
Metallic, non-metallic and weatherproof housings

Cabling & Connectors
Coax, copper, serial and fiber connectivity

SOFTWARE

ALMS
from Sierra Wireless

ECM
from CradlePoint

Device Cloud
from Digi

InControl²
from Peplink