



Industrial  
Networking  
Solutions

OT SERVICES SOLUTION

# IOT MADE EASY

## CISCO IR1101 + IOT COMMUNICATIONS SOFTWARE

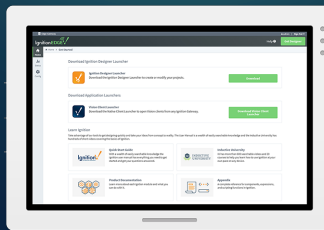
### WHY DOES IOT REQUIRE SO MANY DEVICES?

For many industrial IoT solutions, remote sites utilize a cellular router, network switch, and stand-alone industrial PC to host local software applications. The extra devices cost more money, are difficult to manage, and take additional panel space.

In an effort to simplify this solution, INS has kitted Cisco's world-class IR1101 router along with the latest IoT communications software. This single device solution containing MQTT Sparkplug capabilities allows users to integrate to remote assets via industrial protocols, execute edge compute actions, and facilitate store and forward applications.

### CISCO CATALYST IR1101 RUGGED ROUTER

The Catalyst IR1101 is Cisco's most compact, FirstNet Ready™, industrial router. Designed in a highly modular form factor, the IR1101 is an ideal solution for remote asset management across multiple industrial vertical markets.



### IOT COMMUNICATIONS SOFTWARE

INS has successfully built, tested, and validated numerous IoT communications applications running on the Cisco IR1101 including Ignition Edge, Node-RED, and JCore Clarity Gateway.

#### MODULAR

Expandable to extend lifetime

#### 5G READY, DUAL ROUTER

Enable redundant cellular

#### SOFTWARE-DEFINED WAN

Leverage IT expertise

#### RUGGEDIZED

Designed for industrial verticals

#### CAPTURE

Gather data at the network edge

#### PROCESS

Add scripting to edge devices

#### VISUALIZE

Quickly interpret your data

#### NOTIFICATIONS

Set alarms and receive notifications

### FEATURES & BENEFITS

- Reduce quantity of devices
  - Save money
  - Optimize panel space
  - Lower power consumption
- Industrially rated
- Simplified management
- Supports Docker containers
  - Development
  - Edge compute
- Modular
  - Extend product lifetime
  - Upgrade capabilities
- Cellular
  - Dual cellular
  - 5G ready
  - FirstNET Ready

### CONTACT US

The INS OT Services group specializes in designing, deploying, and providing on-going support for critical OT (Operational Technology) and IIoT (Industrial Internet of Things) networks.

To discuss this solution or your unique networking application, please contact us today!

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