

## Application Report IPR110 Plus RoIP

### Customer Profile

- County Police Dept

### Application

- To implement a solution that enables convenient access to a radionetwork via a PBX phone system

### Business Benefits

- Efficient use of radio infrastructure
- Greater connectivity over a wide area
- Utilizes existing COTS equipment
- Provides inherent interoperability
- Easy to expand the system in the future

### Products Used

- IPR110 Plus

# LINK A RADIO NETWORK TO AN EXISTING PBX USING IP

## → Customer Overview

A local County Police Department

## → The Challenge

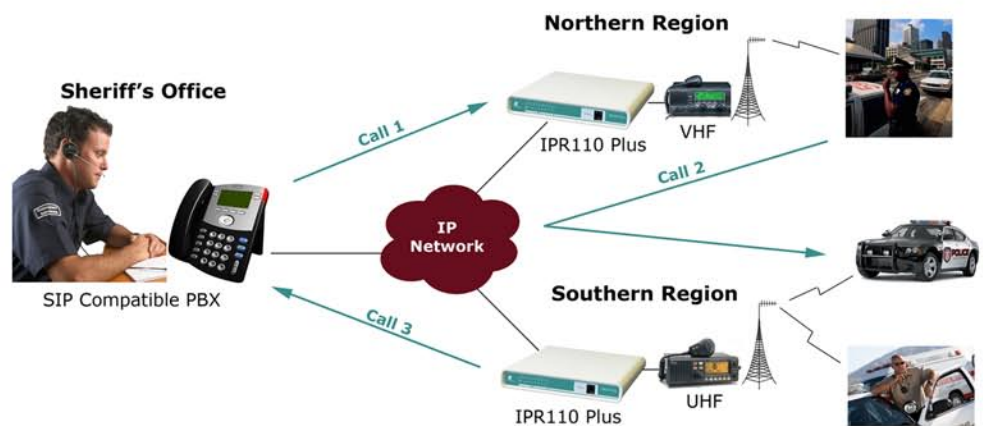
The County Police Department wanted a solution that allowed the Sheriff to communicate with his officers in the field via an existing PBX phone located in his office.

## → Solution

The Department installed a series of IPR110 Plus devices which allow the Sheriff to pick up a PBX phone in his office and speak directly with remote radio users. These users are at several locations throughout the county on different repeater sites. Each call can be made to a specific repeater site.

This provides an efficient use of the existing PBX system and radio network. Calls can be setup to talk to several repeater sites allowing greater connectivity over a wide area. After the conversation has finished, the call can be broken down leaving the network free for other users. There is no need for a centralized operator to monitor and control all calls.

***“This provides an efficient use of the existing PBX phone and radio network”***



Call 1: An enquiry can easily be resolved with a temporary connection between the PBX extension and the northern region radio network.

Call 2: An officer in the northern region can temporarily confer with other officers in other regions. Network wide calls can easily be made informing all personnel of a pending problem even though the radio networks are not normally connected. This creates inherent interoperability.

Call 3: Officers in the southern region can speak directly with the Sheriff to seek clarification on an incident.

## → Conclusion

This SIP based solution provides efficient use of existing infrastructure and allows the Sheriff to conveniently access the radio network. In addition the IPR110 Plus devices create inherent interoperability by linking the sites.

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