

REDCOM CRUCIALCONNECT™ PS PORTABLE

For public safety event response

Interoperability matters. Responding effectively to critical events requires interoperation between radio, satellite, telephone and cellular networks.

When an emergency hits fast and hard, first responders are there. The scene is chaotic, and communicating is critical. Tying disparate responder radio networks together is a challenge: responders talk on bands and waveforms that span the spectrum, from HF through VHF and UHF and into the FirstNet™ space.

A single emergency event might involve fire (P25 Analog VHF), sheriff (P25 P1 UHF), police (P25 P27/800), park police (DMR), and participants with LTE phones. Additionally, callers at headquarters, mayors' offices, and, especially, first responders in transit to the event location, want to have up-to-date details of the operation.

The Solution

REDCOM CrucialConnect Portable is a small communications kit that can be carried in one hand. It provides immediate interoperability between on-site radios with the use of Gateway radios (portable handheld radios temporarily donated to provide wired connectivity to the REDCOM CrucialConnect platform).

CrucialConnect PS Portable is about the same size as a gym bag, and weighs in at about 28 pounds for easy loading into an automobile. At the heart of the kit is REDCOM Sigma® software that provides sophisticated calling and conferencing services. Hardware elements include a radio interface, a POE network switch for adding IP devices (such as phones, satellite radios, or modems), a rugged AC power supply with an extra outlet for chargers or other devices on-site, LTE backhaul, and Wi-Fi for local access to mobile users.

On-site radio users participate in the REDCOM CrucialConnect platform for direct conversations as well as critical, pre-configured conference calls that leverage the CrucialConnect LTE backhaul. This LTE connectivity can backhaul through two separate LTE provider networks (including FirstNet). This will bring in any user with a soft client into a conference. Add a SIP trunk and users from any phone can join the conference from any location worldwide.

CrucialConnect will be pre-configured with a standing conference, so users can join the conference taking place at the site and stay connected, whether they're in an office somewhere or in their vehicle en route to the scene.

Additional conferences can be created either permanently or for short-term use for subsets of user groups. And CrucialConnect includes REDCOM Secure Client apps for Android™, iOS™ and Windows®, giving users fast access to conference numbers and descriptions, contact lists for direct calling, and even video calls between participants or

from broadcaster to all participants. This video communication becomes the centerpiece of training, announcements, event viewing, and access to visual intelligence as needed.

CrucialConnect is easily managed by connecting to the REDCOM Sigma platform via a web browser. Users can create or modify calling plans and monitor/control entire conferences, all from an intuitive and easy-to-navigate web-based system.

BRIDGE DISPARATE ENDPOINTS WITH REDCOM CRUCIALCONNECT™

A single CrucialConnect system can bring together radios from multiple agencies, enabling incident response teams to command, control, and communicate.

