

# Cloud-Managed, All-In-One 4G LTE Solutions Enable Faster Response Times & Stronger Communication

## The Challenge

Fire service responders and IT professionals are discovering new ways to utilize technology to reduce risk, increase efficiency, and improve outcomes to meet the ever-increasing fire service demands.

An inconsistent signal can lead to costly, time-prohibitive firmware updates and truck rolls as first response IT departments attempt to update or implement new technology, such as Computer-Aided Dispatch (CAD) based on Automatic Vehicle Location (AVL). These challenges become exacerbated in times of emergency – when there aren't seconds to spare.

Fire departments need always-on network connectivity to complete firmware upgrades, troubleshoot network issues, and manage solutions remotely from a single pane of glass.

## The Solution

To improve efficiency, today's fire departments utilize Cradlepoint's cloud-managed, all-in-one 4G LTE solutions that provide the connection reliability, security, and remote management capabilities required to cost-effectively deploy the newest technologies and improve response times.

Also, with an unfaltering network connection, fire departments can connect devices, emerging applications, GPS and CAD systems, and to sites in rural areas that don't have access to wired lines. For vehicle fleets, Cradlepoint's in-vehicle routers, delivered through the NetCloud platform, provide constant and highly secure connectivity.



## Benefits

### RUGGEDIZED FOR EXTREME CONDITIONS

First responders need failproof network connectivity for scenarios where downtime is not an option. Products such as USB-based air cards for in-vehicle laptops can be too risky; often just driving over a bump can knock a connection loose. Cradlepoint's purpose-built in-vehicle platforms with embedded modems provide ignition sensing and are ruggedized for vibration, shock, dust, splash, and humidity.

### CENTRAL MANAGEMENT FROM ANY LOCATION

Cradlepoint NetCloud Manager enables IT departments to push out firmware upgrades, security updates, or custom applications as needed – from anywhere. The process is seamless, instant, and easy.

Also, cloud management allows fire departments to easily locate devices, and if technical issues should arise, IT teams can quickly determine whether connectivity is the problem. This remote visibility saves money and gives IT man-hours back by eliminating truck rolls.

### ALWAYS-ON CONNECTIVITY FOR NEW & ADVANCED APPS

Always-on connectivity drives the expansion and use of first response apps. New apps can range from live streaming via helmet cameras to notifying headquarters any time an on-board medication box is opened.

### RELIABLE CONNECTIVITY FOR GPS TRACKING

Cradlepoint routers can send real-time GPS coordinates to CAD systems to more efficiently dispatch firefighters to emergencies that are nearest their current location. When an incident arises, the CAD can see where the closest vehicles are and send help faster.

Also, during extreme weather conditions, first responders at headquarters using AVL dispatching services can find firefighters who are unaccounted for.

### EASILY INTEGRATED, RESILIENT SECURITY

Cradlepoint routers have built-in stateful firewalls and support best-in-breed, cloud-based security applications that are easy to use and deploy – helping agencies protect sensitive information and data during emergency response events.

### FIELD UPGRADABLE SOLUTIONS

For first responder organizations that cover large geographic areas, finding solutions that provide seamless connectivity across multiple cellular carriers can be a serious challenge. Cradlepoint's all-inclusive NetCloud Solution Packages for branch, mobile, and IoT networks are field-upgradeable, first-day ready, and easily managed from the cloud.

To learn more, visit [cradlepoint.com/first-responders](https://www.cradlepoint.com/first-responders)