

Maximizing On-Scene Vehicle Connectivity



Meet Chief Robinson

Mike Robinson is the Chief of a Municipal Fire Department. His team's only point of internet access out in the field are air card equipped laptops that were installed within the cabs of his departments fire trucks. Today, he is looking for a way for his team to access the internet both inside and outside support vehicles, that will have a minimal impact on his departments IT budget.

Current Challenge | FLEXIBLE ACCESS TO VITAL INFORMATION

Chief Robinson wants improved access to the internet while on-scene fighting fires along with en-route location services. With the advent of tablet computers, scene commanders saw the benefit of having access to critical online documents while away from the truck. With budget constraints, they did not want to add to the monthly fees they were paying for wireless connectivity. Along with the need of more robust connectivity in the field, Chief Robinson was looking to improve GPS signal to help drive the GPS driven CAD system in place.

Recommended Solution | WIFI-ENABLED CELLULAR ROUTERS

The chief contacted an RTO resale partner and we helped engineer a solution fast, providing them with ruggedized Sierra Wireless **AirLink® MP70** cellular gateways for truck cab installation, and surface-mount **LTMG602** antennas from Mobile Mark for roof installation. Combined this solution offered direct cellular connectivity within the vehicle and Wi-Fi coverage in and around each fire truck.

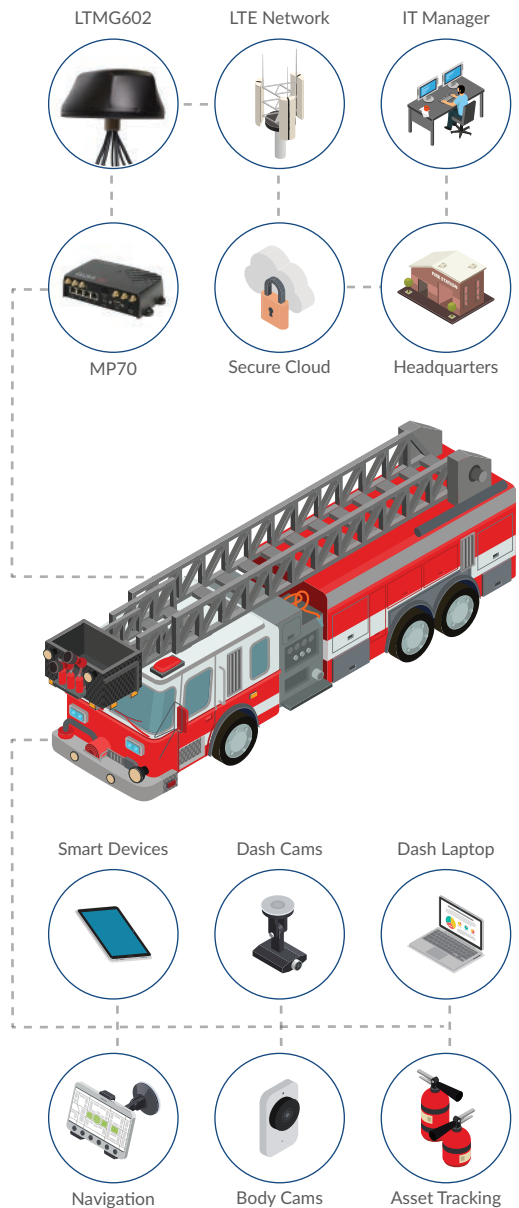
With RTO's guidance, we worked our partner contact **Verizon Wireless** to help seamlessly transfer their wireless service from their air cards to each gateway. Now each of the clients dash computers as well as dozens of other wireless devices can share a single cellular connection to the Internet. RTO explained that with their new vehicle antennas they were able to utilize the full GPS capabilities of each of their cellular gateways - improving the visibility of their clients' field operations.

The Results | MAXIMIZED ON-SCENE CONNECTIVITY

The scene commander now has eyes and ears on scene, and Internet access over 100 feet from the truck. He checks building plans, HAZMAT info, data sheets on material safety, and IP cameras when available on-site.

By connecting with the cellular gateways GPS, each fire truck has strong GPS signals at the firehouse and in the field which allows for constant connectivity as they depart and while en route to the scene. Our solution helped our partner reduce response times, increase field capabilities, and improve operational efficiency.

The improved connectivity RTO helped provide increased the efficiency and safety of their clients' entire fire fighting process.



CONTACT RTO TO ENGINEER YOUR CONNECTIVITY SOLUTION TODAY