

MG90 5G for Firefighters – Improving Visibility and Safety

Meet Captain Roberts

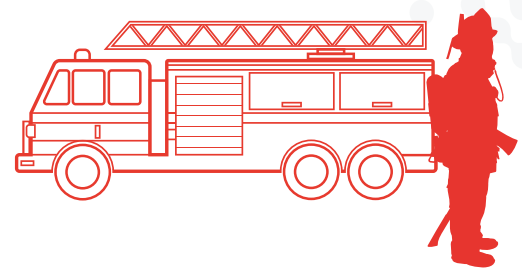


Captain Roberts is a seasoned firefighter who understands the importance of real-time information at a fire scene. He sees new technologies such as augmented reality (AR) and heads-up displays that can help to improve firefighter situational awareness, safety and efficiency.

THE CHALLENGE

NEED HIGH BANDWIDTH CONNECTIVITY TO LEVERAGE NEW FIREFIGHTING TECHNOLOGIES

Several companies are developing augmented reality (AR) systems that overlay thermal imaging and building data into a firefighter's mask helping them find victims faster, detect heat and even count stairs through heavy smoke. These technologies require the high bandwidth and low latency that 5G can deliver.



THE SOLUTION

CREATE A 5G VEHICLE AREA NETWORK (VAN) IN FIRE TRUCKS AND RESPONSE VEHICLES

AirLink MG90 5G routers are used to create a vehicle area network (VAN) enabling firefighters to use advanced technologies both inside and outside of their vehicles. The MG90 5G has dual 5G radios with sufficient connection speeds to allow thermal imaging to be sent to the cloud, processed and quickly sent back to a firefighter's display. Dual Gigabit Wi-Fi radios enable communications with these new technologies at a distance from the vehicle.



THE RESULTS

THE AIRLINK MG90 5G HELPS FIREFIGHTERS USE NEW TECHNOLOGIES TO SAVE LIVES AND PROPERTY

Having 5G-based vehicle area networks (VANs) will help firefighters leverage new technologies to increase safety. The AirLink MG90 5G also enables firefighters to gain rapid access to critical data including building/room temperature, security footage and floor plans. This helps firefighters identify hotspots and safe points of entry.