SIERRA WIRELESS®
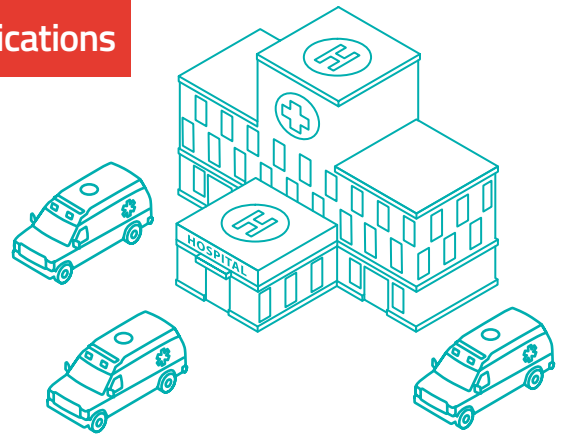
AirLink® MG90: Mobile Router Consolidates Communications

Meet Jason

Jason is the IT team lead for an EMS agency. When he's not fixing computers and addressing telephone issues at the authority, he's helping paramedics in the field with non-responsive communications systems.
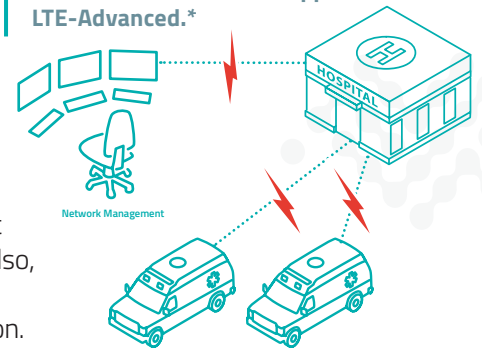
THE CHALLENGE

POOR CONNECTIVITY AND NETWORK MANAGEMENT TOOLS CAUSE DOWNTOWN DURING EMERGENCES

Jason's IT team is understaffed and under lot of pressure from management to ensure paramedics have high performing communications systems that enable them to arrive at medical emergencies informed and equipped to respond.

The authority's ambulances are currently outfitted with consumer grade routers that run on a single network and easily lose connectivity in harsh mobile environments. Also, the management platform makes it impossible to troubleshoot the source of issues remotely, which results in ambulances being called back to the station for examination.

Did you know? All major North American carriers now support LTE-Advanced.*
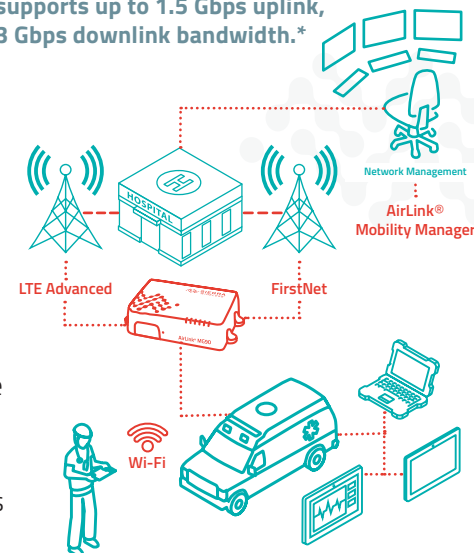

Network Management

THE SOLUTION

MULTI-NETWORK VEHICLE ROUTER CONSOLIDATES ONBOARD APPLICATIONS

Jason talks to his router vendor about the connectivity issues, who suggests they might try a multi-network solution from Sierra Wireless—the AirLink MG90 vehicle router—which connects to multiple cellular networks, and can switch between wide area networks in "sub-second" timeframes.

Jason orders 70 MG90 units and deploys them in his ALS and BLS vehicles and, within one month, the majority of the agency's simple connection issues have disappeared. Also, because the MG90 is designed to work with an end-to-end network management tool--the AirLink Mobility Manager (AMM)--that provides instant network insight and control from the enterprise, Jason's team is able to remotely monitor, control and manage the connectivity of paramedics' communications systems from their office.

With more time on their hands due to the reduction in technical issues, the team is excited about the possibilities of being able to support new mobile applications, and new networks without having to adjust the in-vehicle platform or back-end management systems.

Market Stat: LTE-Advanced supports up to 1.5 Gbps uplink, 3 Gbps downlink bandwidth.*

Network Management

AirLink® Mobility Manager

LTE Advanced

FirstNet

Wi-Fi

Sources: 3GPP

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