SIERRA WIRELESS®

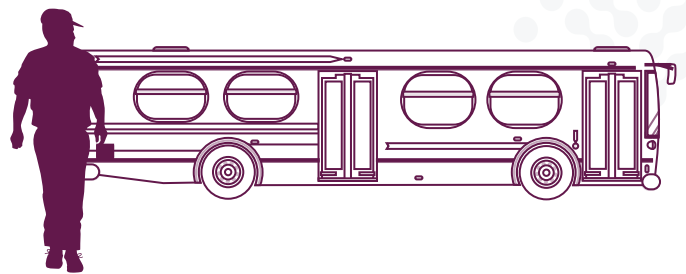## MG90 5G for Transit — Improving Scheduling and Safety

Meet Frank

Frank is a Director for a large metropolitan transit agency. He want to increase passenger satisfaction, increase metro transit operational efficiency and increase driver and passenger safety.

THE CHALLENGE
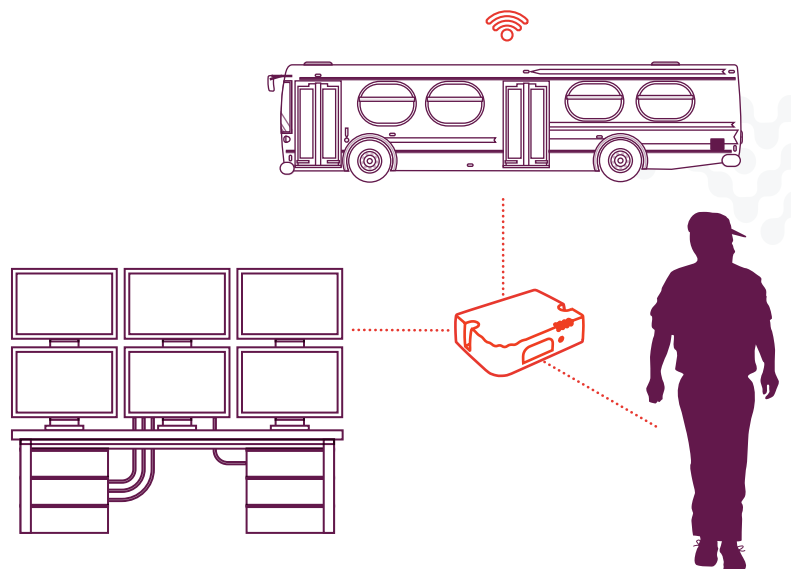
GAIN REAL-TIME VIDEO AND DATA FEEDS

Frank needs to gain real-time video feeds from both the driver and passenger areas. This will help to ensure driver and passenger safety and better manage incident responses. Real-time data feeds will also help him improve the transit systems operational efficiency.

THE SOLUTION

CREATE A HIGH SPEED, 5G VEHICLE AREA NETWORK (VAN) IN TRANSIT BUSES

AirLink MG90 5G routers create a high-speed vehicle area network (VAN) capable of delivering multiple live video feeds helping to ensure driver and passenger security. The MG90 5G also has advanced navigation capabilities that connect with the depots computer-aided dispatch/automated vehicle location (CAD/AVL) systems.

THE RESULTS

THE AIRLINK MG90 5G HELPS INCREASE SAFETY AND OPERATIONAL EFFICIENCY

The MG90 5G enables Frank to get live video feeds covering both the driver and passengers leading to increased safety. The connectivity also helps the transit agency monitor real-time passenger flow, optimize schedules and provide real-time arrival predictions for waiting passengers. Using the MG90 5G vehicle location data, traffic signal priority (TSP) can control traffic lights ahead of the bus for optimized passage through intersections. The MG90 5G automatic vehicle monitoring helps to ensure driver safety and optimize maintenance schedules.