

AirLink XR90 for Transit Applications

IMPROVING SAFETY, EFFICIENCY, AND COMMUNICATIONS



Meet Benjamin

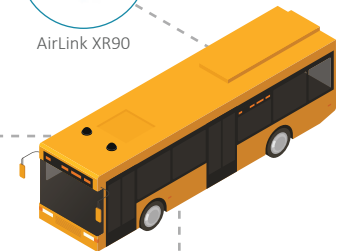
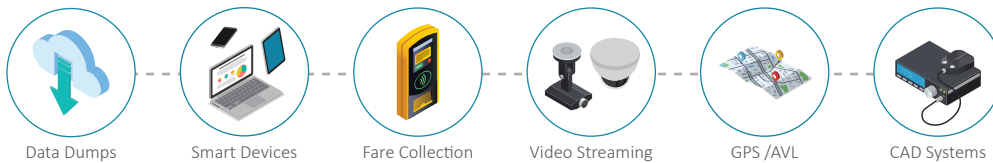
Benjamin is the Senior Information Technology Director of a large metropolitan transit agency. Ben is looking to upgrade all transit buses to include robust communication systems that integrate driver and passenger security, fare payment systems, bus navigation and a separate passenger Wi-Fi system. Additionally, he wants a solution that can operate on existing 4G networks as well as 5G networks as they become available citywide.

The Challenge | Providing Secure Connections for Drivers and Passengers

Ben's transit organization wants to ensure that drivers and passengers are securely monitored with always-on, real-time video feeds to the transit depot. The transit organization also wants to improve efficiencies by integrating fare payment systems, vehicle navigation, and digital signage. Providing passengers with high-speed Wi-Fi that is separate from the Wi-Fi used to communicate with the bus subsystems is a priority as well.

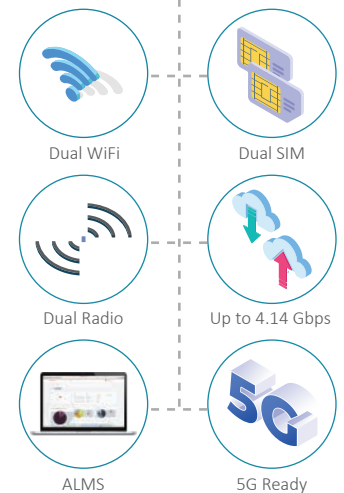
The Solution | Separate and Secure WiFi Provided by XR90 and LTMWG944

AirLink XR90 routers, with dual Wi-Fi 6 radios provide each bus one internal transit network as well as a separate passenger Wi-Fi network in order to ensure security. The internal transit network integrates with driver and passenger security cameras, fare payment systems, digital signage, GPS/AVL systems and vehicle diagnostic systems while automatically connecting to the best available 5G or Wi-Fi 6 network. Paired with ultra-wide band fakra-enabled antennas from Mobile Mark this solution provides maximum range and coverage.



The Results | Increased Safety, Efficiency, and Passenger Satisfaction

With the 5G connectivity the AirLink XR90 provides, Ben and his team access real-time security camera feeds to help ensure driver and passenger safety. And the XR90's advanced navigation system and ticketing system integration helps his agency monitor real-time passenger flow, optimize schedules, and to provide real-time arrival predictions for waiting passengers. The XR90's vehicle diagnostic monitoring allows his engineering crew to optimize maintenance schedules and perform service when needed. And the dual Wi-Fi 6 capability gives passengers the connectivity they want with no risk to the transit bus security.



The Team | Device Provisioning, Activation and Installation Services

For the last 25 years USAT has provided expert IoT connectivity solutions to public and private transit agencies. We support all aspects of your mission-critical mobile connectivity projects. Our team of cellular communications experts configure, provision, kit and ship your devices hot and ready for immediate use. And MCA installation teams ensure each of your devices are functioning securely, reliably, and at peak performance.

CONTACT US TO ENGINEER YOUR CONNECTIVITY SOLUTION TODAY

