

Cellular Networking Solutions for Transit



LTE and 5G Solutions Technologies Modernize Public Transportation Systems

Public transportation agencies within the ground, rail, sea, and air transit verticals are now deploying advanced technologies within both their fleet vehicles and transit hubs, enhancing both passenger experiences and operational efficiencies. These essential communications upgrades include passenger Wi-Fi, high-definition video surveillance, and digital fare collection, as well as comprehensive vehicle telematics that monitor things like temperature, fuel levels, route optimizations, and driver behavior. To streamline their operations, transit agencies connect these technologies using enterprise-grade rugged and reliable router and antenna kits with cloud-managed cellular, Wi-Fi, Bluetooth, and GPS connectivity, reducing the need for on-site troubleshooting.



Safety and Security

Utilizing 5G and LTE both internal and external vehicle cameras can seamlessly transmit live and recorded HD video to headquarters or wirelessly offload it at stations, facilitating accident and incident reporting.



Digital Signage

Cellular broadband offers the high bandwidth and low latency required for real-time GPS-based route information, instant announcements, and dynamic ad changes on both in-vehicle and station/transit hub digital signage.



Fare Collection

Integrated security features within our Vehicle Wireless WAN solutions enable IT teams to seamlessly collect and segregate fare transactions from network activities like guest services and vehicle performance data.



Secure Wi-Fi Access

Wireless routers providing on-board internet can facilitate the availability of dependable public Wi-Fi, while running a separate and secure Wi-Fi instance for on-board systems and devices essential for ensuring vehicle safety.



Telematics, GPS, GNSS, and AVL

5G and LTE connectivity offer the means to remotely oversee telematics and location-based data, which can also be utilized to furnish critical, life-saving information to first responders should the need arise.



Private Networking

Key transit hubs, like primary bus and rail stations, as well as sea and airports, rely on essential communications throughout their premises. PLTE offers enhanced control and coverage over conventional Wi-Fi capabilities.

The Team | [Device Provisioning, Activation, and Installation Services](#)

For the last 27 years, the cellular networking solutions team at MCA has provided expert connectivity solutions to public and private organizations in need of top-of-the-line connectivity devices and platforms to manage their vital communications infrastructure. We provide top-tier support for all aspects of our customers mission and business-critical connectivity projects. Our technicians and installation teams assess your needs and engineer customized solutions to outfit your organization with the hardware and software required to fit your exacting needs.

CONTACT US TO MAKE YOUR WORKPLACE MORE SAFE, SECURE, & EFFICIENT



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