

# BUS STOP AND PASSENGER PICKUP

## Why the Need?

A report released by the U.S. Census Bureau showed that 5% of all U.S. workers commuted by public transportation. The largest group of public transportation commuters, or about 3.6 million people reported the bus as their primary commuting mode. Wi-Fi at bus stations is proving essential to not only keep commuters informed regarding delays, weather, and travel advisories but to keep digital advertisements on digital signs live and running.

## The Challenge

The challenge of implementing reliable connectivity for bus stations is multifold. In order to keep commuters connected to the internet, a strong LTE connection is needed, and relying on one operator is not enough. That being said, the device supplying the Wi-Fi network signal must be able to connect to the internet across multiple operators in the case that one has an outage. The Wi-Fi network supplying device must also provide enough bandwidth to allow commuters to stream video, video chat, and browse the web as they await their bus. The Wi-Fi network supplying device must allow for multiple device connections so smartphones, tablets, and laptops can all connect at once, leaving no commuter without internet.

## The Solution

Wing Tel has a complete solution, offering reliable internet connectivity for smart bus stations without an unnecessarily expensive and complicated setup. Wing Tel offers a device that supplies strong and reliable Wi-Fi through high bandwidth data plans that connect to each one of the nation's largest and most trusted cellular carriers. In fact, the device is able to automatically and seamlessly toggle between each carrier, always providing the user with the best quality connection, regardless if they are in a fixed or mobile location.

Wing Tel's device can share Wi-Fi to 10 devices at a time and features battery backup for a period of up to 16 hours. Users simply connect to the Wi-Fi network then stream and video chat straight from their mobile device via a reliable connection.

## Topology

