

SERVICE  
ENGINE  
SOON

# CONNECTIVITY SOLUTIONS FOR PUBLIC TRANSIT

## More Efficient Bus Fleets for Smarter Public Transit

Modern buses can provide a wealth of useful data—everything from fuel consumption, diagnostic trouble codes, idle times, average operating speeds and the status of key vehicle subsystems. If you are only monitoring the vehicle location today, your agency is missing out on critical data that can revolutionize your operation.

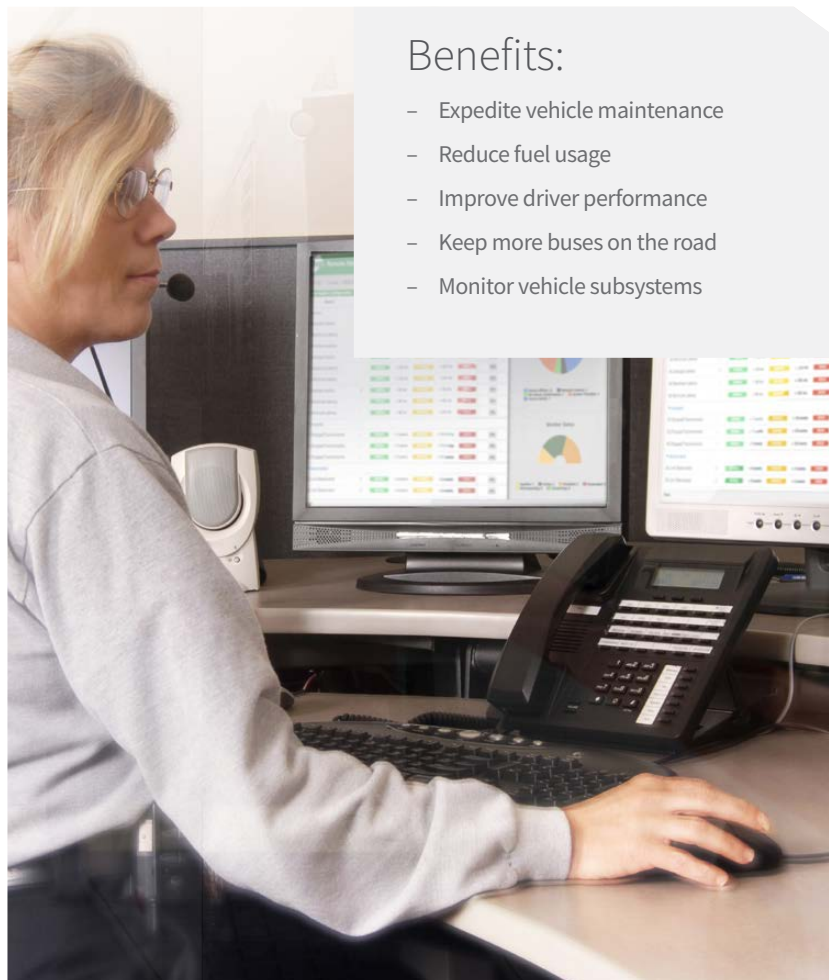
### The Benefits of Real-Time Vehicle Connectivity

When a service engine light goes on while a bus is in service, that typically means one of two things—risking mechanical failure to finish a shift before getting an accurate diagnosis, or recalling the bus and replacing it with a different one.

With Digi's vehicle connectivity system, not only will you be aware of mechanical issues, you will also know exactly what those issues are so that you can begin to take the necessary steps to solve them—such as ordering parts or scheduling service. Reading the diagnostic codes instantaneously can drive significant value to your business and the same intelligence can apply to analyzing fuel usage, tracking idle time and evaluating driver performance. Reading the engine data can lead to happier passengers, more reliable vehicles and lower operational costs.

### Benefits:

- Expedite vehicle maintenance
- Reduce fuel usage
- Improve driver performance
- Keep more buses on the road
- Monitor vehicle subsystems



# Solving The Complexity Of The Vehicle Bus

## Reading the Vehicle Bus Remotely

Reading the vehicle bus remotely has been largely ignored for one simple reason: it's hard. Vehicle bus standards are changing, manufacturers differ in their interpretations, and the cabling on the bus is a nightmare.

## Digi TransPort® Routers and Wireless Vehicle Bus Adapter

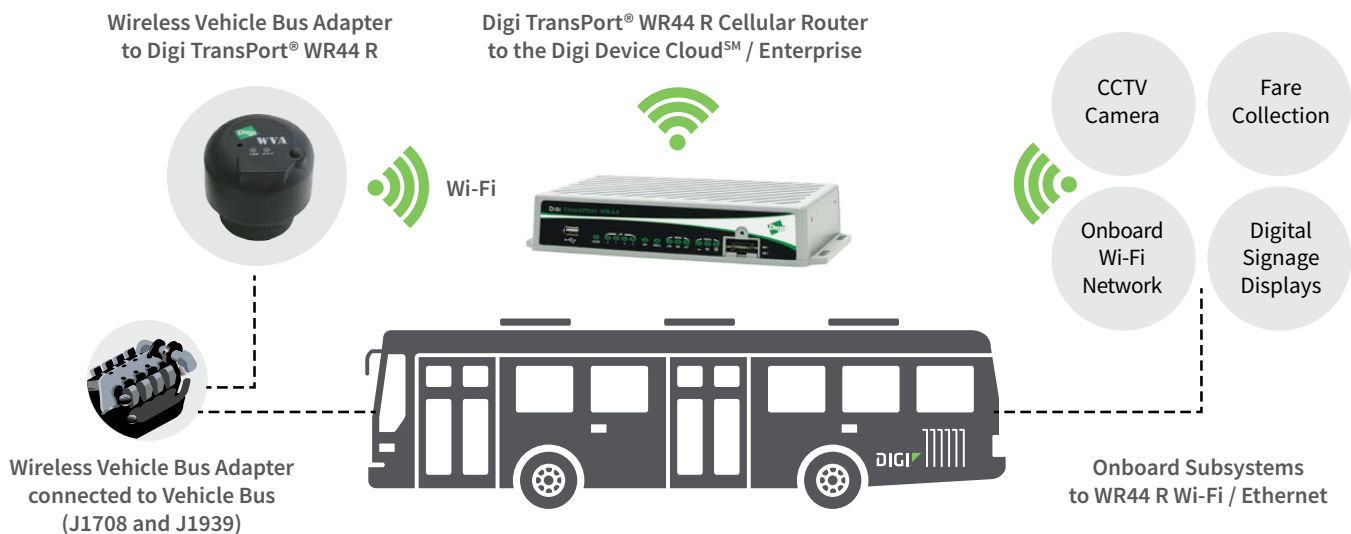
Digi has solved all that with Digi TransPort routers and our Wireless Vehicle Bus Adapter (WVA). Now you can get vehicle data delivered remotely to your back office without having to worry about complexities of specifications.

## How It Works

The WVA connects directly to the diagnostic port on a vehicle. In most cases no additional cables or professional installation is required. The WVA captures vehicle bus (J1939/CAN) data and reports that data over Wi-Fi. The WVA is programmable, so only relevant data is reported at the necessary intervals.

This data is reported to your enterprise through the the Digi TransPort WR44 R, which was custom designed for transit agencies. The cellular router can provide connectivity to multiple subsystems on the bus so you do not need dedicated hardware for capturing vehicle bus data.

The Digi TransPort WR44 R then reports the vehicle bus data, along with data from other subsystems, either through Digi Device Cloud<sup>SM</sup> or direct to your enterprise.



For more information about Digi WVA, visit:  
[www.digi.com/products/wireless-vehicle-bus-adapter](http://www.digi.com/products/wireless-vehicle-bus-adapter)

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**DIGI**