

# Digi Transportation/ Fleet Solutions

## Wireless Vehicle and Asset Tracking

Wireless hardware, software and services improve efficiency, reduce costs and meet government regulations for connecting tractors, trailers and containers.

## Overview

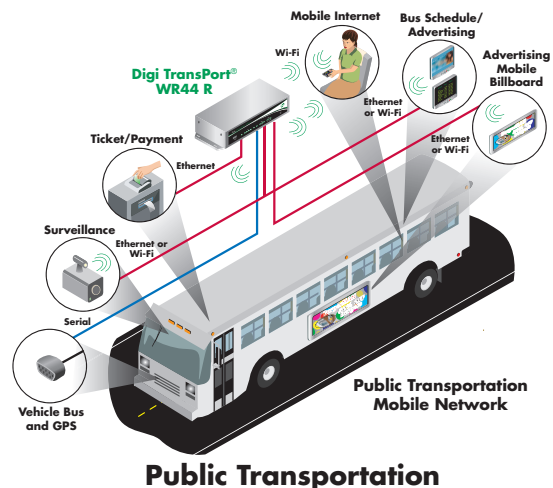
The transportation business is challenged from every angle to be increasingly productive and profitable. The very nature of managing remote vehicles can be difficult and expensive, with requirements to maintain maximum uptime while reducing costs.

Digi's high speed wireless products, utilizing GSM, CDMA, Wi-Fi, satellite and ZigBee technologies, enable transportation companies to create a Wireless WAN (WWAN) connection to remote assets for real-time two-way communication to tractors, trailers, buses, light duty vehicles, containers and other equipment. In addition, remote networks requiring a backup connection to an existing landline can utilize a wireless connection for failover, providing maximum uptime and peace of mind.

- **Cost:** Regulation of the industry and increased competition has put strain on margins.
- **Security:** High level of advanced encryption and authentication technologies required.
- **Coverage:** Need reliable access to assets scattered over a broad geography.
- **Bandwidth:** Solutions must produce sufficient speed and capacity to manage remote assets.

Digi's transportation solutions cover a broad range of fleets and requirements – including light duty vehicles (cars, pickup, vans, SUVs) and heavy duty vehicles (Class 8 trucks, construction equipment). In addition to providing multiple wireless technologies for communications, the devices also provide interfaces to the vehicle diagnostic bus and multiple telemetry inputs/outputs. Some devices come in IP67 rated enclosures for outdoor mounting in harsh environments.

## Application Highlights



## Why Wireless?

- Low monthly recurring fees – Very quick ROI
- Ability to track assets and shipments in real time – Reduce theft
- Easy to setup/install
- Mobile – You can easily move it around

## Why Digi for Wireless?

- #1 in wireless device connectivity
- Rugged industrial grade transportation solutions
- Best-in-class warranty
- Extensive portfolio of wireless products
- Strong support and customer service
- iDigi™ hosted remote management solution
- Strong carrier relationships



## Digi Transportation Solutions

### Challenges

- Improve efficiency
- Reduce costs
- Government regulations

### Requirements

- Low recurring costs
- Nationwide wireless coverage
- Reliable/Secure mobile communications
- Interface to back-end applications
- Sensor monitoring
- Asset tracking

### Solution

Digi wireless routers use GSM/CDMA cellular data networks – with options for Wi-Fi, satellite and ZigBee – to provide wireless WAN access anywhere to vehicles.

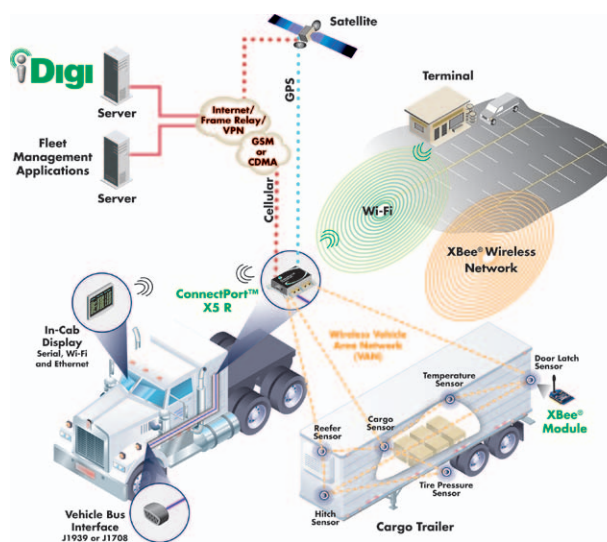
### Benefits

- Reduced theft
- Reduced operating costs
- Real-time access to vehicles and drivers
- Improved customer service
- Improved tracking of vehicles and shipments

## Xata Case Study

Xata, one of the leading Fleet Management Service providers, uses the ConnectPort X5 R and ConnectPort X3 R as part of a solution to improve driver efficiency, increase driver compliance with Hours of Service Driver Log and Fuel Tax Reporting, improve driver safety, improve on time deliveries, and reduce out of route miles. Digi has worked with Xata for several years to develop products that meet the varied requirements of the transportation industry.

“The ConnectPort X5 R and ConnectPort X3 R are high functionality devices in rugged enclosures that allow us to meet our customer’s communications needs. The X5 R model provides cellular (GPRS or CDMA), satellite and Wi-Fi for communications between the vehicle and our XataNet Fleet Management Solution,” said Rob Pallante, Director of Business Development. “The XBee component in the devices allows us to connect sensors without the added time and cost of wired connections. Using the ConnectPort X5 R to connect to the J1708 or CAN bus allows us to get accurate odometer readings, fuel use, idle time and other data to help our customers reduce their operational and maintenance costs.”



## Digi Wireless Products and Management Tools



### ConnectPort® X3 R and ConnectPort® X5 R

- Rugged IP67 rated enclosure for in-cab or outside installation
- Support for Wi-Fi, cellular, ZigBee and satellite
- Vehicle bus and telemetry interfaces supported



### Digi TransPort® WR44 R

- Enterprise class router full security/vpn support and integrated 4-port Ethernet switch, Wi-Fi access point
- Rugged enclosure, ignition I/O and flexible DC power



### iDigi Manager Pro™

- Real-time hosted management of remote devices

### iDigi Web Services API™

- Seamless integration into back-end business systems via cloud based industry standard web services

Please visit [www.digi.com](http://www.digi.com) for more information or to purchase products.

**DIGI SERVICE AND SUPPORT** - You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. [www.digi.com/support](http://www.digi.com/support)

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