

# TRANSPORTATION

Connectivity Solutions



  
**B&B ELECTRONICS**  
Make The Right Connections



## *Extending the Network Edge for Specialized Industries*

We offer a complete line of products designed to expand networking capabilities into traffic and transportation applications and other demanding environments where monitor and control were previously unreachable. Learn more about these solutions...

To keep modern transportation systems moving, networks must provide connections for signaling systems, digital signage, toll management systems, smart parking, trackside management, telematics, remote mobile asset management and more.

Whether your connections need to be wired or wireless, B&B Electronics provides the tough, reliable M2M networking solutions and connectivity devices that will help you keep your data - and the traffic - flowing smoothly.



## Transportation System Efficiency Starts with Data Communication

Transportation is still the lifeblood of modern commerce – nobody gets paid until the goods are delivered or people make it to work. Data communications solutions from B&B Electronics are at the heart of a growing number of data-driven transportation-related applications. From signaling systems, digital signage, toll management and smart parking to trackside management, telematics and remote mobile asset management, B&B Electronics brings focused solutions to intelligent transportation.

With more than 7,000 products for machine-to-machine (M2M) connectivity, we'll have your transportation solution:

- Ethernet media converters
- Wireless radio modems, I/O
- Wi-Fi access points, routers, bridges, serial servers, modules
- Wireless cellular routers, WiFi cellular routers
- Telematics
- Ethernet switches, routers, extenders
- Ethernet serial servers, gateways, media converters
- Turnkey and custom engineered connectivity solutions
- Serial converters, isolators, repeaters, surge protectors, cards
- USB converters, isolators, hubs, extenders

Whether you're concerned with signal conversion between legacy equipment and new devices, extending your network into new locations, or dealing with remote monitoring and control problems at the edge of your network, B&B Electronics' engineers can help you envision and build the best network solution. For more than three decades, B&B Electronics has built a reputation as a global source for best-in-class rugged, reliable wired and wireless connectivity and communications solutions. Backed by strong technical support online, on the phone and in the field, B&B Electronics' products are known for being simple to order, simple to use and simple to install.

### Deep Expertise in Data Communications for the Transportation Industry

B&B Electronics supplies a complete line of connectivity solutions, interface products, and essential components to monitor, control and protect your transportation communication systems. B&B Electronics' technology is found throughout modern transportation systems.



Traffic Control, Lights and Cameras



Tollbooths



Parking Control



Fleet Management



Weigh Stations



Subway Systems



Railways



Air Traffic Control



**3** Railroad Crossing Arms

**8** Wireless Bus

**7** Bus Stop

**1** Roadside Digital Signage

**2** Red Light Camera System

**4** Roadside Radar

**6** Telematics for Fleet Vehicles

**5** Parking Lot Access Control

**1** Roadside Digital signage



Industrial Ethernet Bridge  
*ABDN-IN5018*

**2** Red Light Camera System



Industrial Wireless I/O  
*ZXT24-IO-222R*

**3** Railroad Crossing Arms



Ethernet Mini Serial Server  
*VESP211*

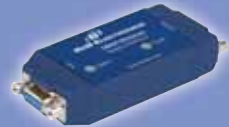
**4** Roadside Radar

**5** Parking Lot Access Control



Ethernet to Serial Server  
*VESR901*

**6** Telematics for Fleet Vehicles



OBDII Streamer  
*LDVDSB2-SV*

**7** Bus Stop



Wireless Access Point  
*APXN-Q5428*

**8** Wireless Bus



## ***Global Communications Expertise***

Our Technical Support team has field-proven experience in data communication applications, connectivity solutions, network design and product installation. Whether you have a simple application question, a complex project installation, or an outside-the-box problem, B&B Electronics' engineers don't just troubleshoot problems after the fact — they can actually prevent and anticipate system design and integration problems before they begin.

All of our data communications solutions are backed by our comprehensive Quality Assurance program and a limited life-time warranty.

## **The Challenge**

A telecommunications company with a fleet of more than 100,000 vehicles scattered all around the world needed a comprehensive solution for managing its service fleet. Fleet managers wanted a system with the flexibility to monitor vehicle location (for determining optimal routes, etc.), influence driver behavior (by rewarding safe driving and deterring aggressive or dangerous driving), check vehicle condition (for scheduling preventive maintenance) and track onboard inventory (for automatically reordering parts). A wireless data communications network was the obvious answer.



# Vehicle Diagnostic Protocol

## The Solution

B&B Electronics' OBDII fleet management solutions gave the company access to a wealth of vehicle information, including fuel rate, brake pedal application, seat belt use, emissions status and much more. This allows them to develop richer, more powerful management applications. Even better, OBDII solutions offer quick return on investment through fuel savings, reduced vehicle accidents and the ability to use timely maintenance to cut down on expensive repairs.



Fleet vehicle with OBDII diagnostic port

## **Discover How B&B Electronics Can Simplify Your Transportation Communications**

With a growing range of robust connectivity platforms for serial, Ethernet, wireless and USB applications and standard-setting technical support capabilities delivered online and on the phone, B&B Electronics can guide you through designing your system and integrating our solutions into your network or product quickly and efficiently. Our Tech Support department is staffed with experts dedicated to helping you re-envision, re-scope, and re-structure your data communication networks – or just support the network already in place. With more than 40 distributors in 60 different countries, we can ensure fast, comprehensive and local customer service and support.

With thousands of solutions and a manufacturing/support footprint throughout North America and Europe, B&B Electronics delivers the platforms, products and professional insight you need to complete your project quickly, so you can focus on your job, not on your network.

B&B Electronics has earned an extensive list of industry certifications and compliance ratings, extending far beyond core ISO and RoHS compliance to include certifications from UL, CE, NEMA, IEEE, IEC and the European Union's WEEE Directive, among others. B&B Electronics' products are built for long-term performance and you can trust us to provide the right solution for your transportation application. Rugged and reliable, our products are backed by a limited lifetime warranty.

Contact us to learn more about how B&B Electronics can help solve your transportation communication challenges. Wherever people move ... wherever goods move ... data moves—and we move with it.

Visit our website at [www.bb-elec.com](http://www.bb-elec.com) for access to all our solutions, easy product configurators, tech support diagrams, white papers, and detailed technical data.



### **World Headquarters**

Ottawa, IL, USA  
Phone: 1-815-433-5100  
Fax: 1-815-433-5109  
Email: [orders@bb-elec.com](mailto:orders@bb-elec.com)

### **International Sales**

Oranmore, Co. Galway, Ireland  
Phone: +353 91 792444  
Fax: +353 91 792445  
Email: [eSales@bb-europe.com](mailto:eSales@bb-europe.com)

### **Conel s.r.o.**

Usti, Czech Republic  
Phone: +420 465 521 020  
Fax: +420 464 647 299  
GSM: +420 603 872 287  
Email: [info@conel.cz](mailto:info@conel.cz)

### **Custom and OEM Product Design**

Ottawa, IL, USA  
Phone: 815-433-5222  
Fax: 815-433-5104 Attn: Custom Dept.  
Email: [custom@bb-elec.com](mailto:custom@bb-elec.com)

**[www.bb-elec.com](http://www.bb-elec.com)**  
**888-948-2248**