



Cellular for In-Vehicle Networking

Transport technology has rapidly developed over the past decade, and mobile connectivity has played a large role in this. Fleets now require reliable and super-fast Internet connectivity to keep up with these latest innovations which enable improved productivity, fleet management and extended services for customers and employees alike.

Flexible, scalable, go anywhere connectivity

Whatever the end application, on-the-road connectivity is a necessity for most enterprises in today's expanding business world. Freighters need to be able to monitor their loads more effectively, field teams and emergency service fleets need to remotely access central systems, and public and private transportation organisations want to enhance their passenger experience, while also making their services as efficient as possible.

A cellular networking solution can answer all of these requirements and more – providing a go anywhere, use anytime connection which extends the enterprise network to the road.

Delivering a secure, enterprise-grade network

Security is a number one priority for today's IT teams and sitting at the edge of the network in-vehicle connections can be highly vulnerable to attack. This means that while consumer options, such as cellular USB dongles, have been employed in the past, the best-in-class solution to securely extend an organisation's network to its fleet is an enterprise-grade router or gateway.

Westbase.io's transport solutions have extensive security features such as Unified Threat Management; content filtering; multiple security architectures; and are PCI compliant, making it possible for enterprises to simply extend their corporate policies to the road – keeping their connectivity solutions compliant and secure.

Full enterprise application support

As well as offering enterprise-grade security, 3G/4G networking provides a solution which offers reliable, superfast connectivity that can support a myriad of applications to suit all on-the-road requirements, including:

- Vehicle WiFi hotspots
- Access to centralised systems from the road
- CCTV monitoring and management
- Mobile asset tracking
- Fleet telematics and real-time information
- Cold chain monitoring
- Digital signage
- Electronic and mobile ticketing, plus Point of Sale

Simplified management

A challenge to on-the-road connectivity is maintaining the geographically-distributed network without vehicles having to return to the main depot or head office location for troubleshooting if something goes wrong – or likewise central IT teams having to deploy costly truck rolls to local depot locations.

Westbase.io 3G/4G networking solutions for transportation are cloud-managed, providing central teams with visibility of the entire vehicle network. Using the cloud management platform network administrators can easily manage, monitor and update each device; if one goes down it can be troubleshot and diagnosed remotely to assist in getting it back online as quickly as possible. It also means that firmware updates can be delivered remotely, keeping the hardware up-to-date and secure.

Cloud management also enables teams to monitor data usage, set geofencing rules, track location, and more – meaning the solution can be fully managed from any location.

Rapidly deployed for instant benefits

Unlike other in-motion solutions, 3G/4G networking has a short lead time and easily integrates with your existing network infrastructure for a simplified connection process. This means it can be rapidly deployed for instant enterprise-wide benefits.

Westbase.io carries a range of router and gateway devices which have been specifically built for in-vehicle applications, meaning even the physical install into the vehicle can be achieved quickly and easily.

Built-in failover

Advanced 3G/4G solutions feature dual SIM capabilities, meaning resilience is inherent to the device. For example, should the primary network operator's service become unavailable due to poor signal in certain areas, the device can instantly failover to the secondary SIM's network – keeping the vehicle and its passengers online.

Optimised cellular signal

Westbase.io carry a wide range of antenna options which have been developed specifically for on-the-road applications and ensure the best possible cellular performance is delivered. We can help you to identify the right product based on your application.

Westbase.io work with our partners to deliver 4G LTE mobile networking solutions purpose-built for a wide range of in-vehicle applications. To find out more please contact us...



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The importance of ON-THE-ROAD CONNECTIVITY

- ✓ Improve employee productivity and streamline work processes
- ✓ Improve fleet monitoring and tracking to optimise the customer service being provided and improve internal processes
- ✓ Provide connectivity services needed by employees and expected by customers
- ✓ Implement new transport technologies with ease

The benefits of using CELLULAR FOR IN- VEHICLE NETWORKING

- ✓ No extended lead times; deploy within days instead of weeks and months
- ✓ Simple installation for plug and play connectivity services
- ✓ Supports all necessary applications and extends the corporate network securely
- ✓ Connect virtually anywhere
- ✓ Cloud-managed for simplified remote monitoring and management
- ✓ Can feature built-in failover for even higher availability

More about

WESTBASE.IO

Westbase.io is a leading provider of cloud-managed 4G LTE and hybrid networking solutions. We couple our innovative portfolio with our extensive industry understanding, and unparalleled product knowledge, to deliver solutions which perfectly fit our customers' requirements.

Westbase.io works with our partners to help them identify the best possible cellular solution for their in-vehicle requirements.