TOUGHBOOK

Partner battlecard
TOUGHBOOK connected vehicle

Elevator pitch

In high-pressure, fast-moving sectors like emergency services, field engineering, logistics, and utilities, vehicles aren't just transport – they're mobile command centres.

With the rapid rise of 5G and AI unlocking new use cases and real-time data-driven applications in the field, the reliance on in-vehicle technology increases the demand for complex connectivity solutions.

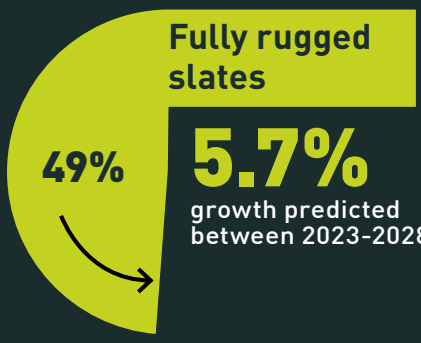
This in turn is fuelling a growing demand with the market for vehicular integration of devices to make these new capabilities and technologies more accessible and safer for teams to use while on the move.

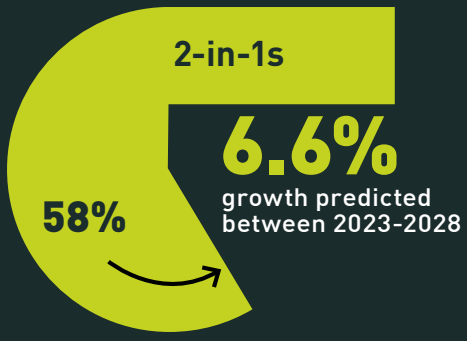
So, if you have customers who...

- **Have a hyper mobile workforce in a fleet of vehicles**
- **Who typically don't have access to standard network connections**
- **Rely on real-time connectivity, no matter the location or weather conditions**
- **And have a high priority on safety**

...then Connected Vehicle solutions from TOUGHBOOK have the end-to-end vehicle integration and management services to help ensure their hyper-mobile teams can stay safe, productive, and connected.

In-vehicle mounting of tablets and 2-in-1 devices is growing:





Source: VDC Global Market for Rugged Notebooks 2024 - EMEA Rugged Tablet Forecast Supporting Line-of-Business Applications (Millions of Dollars)

Building the perfect solution for your customers

From ambulance crews needing instant access to patient data to utility engineers working in remote areas, frontline teams rely on rugged devices, secure data access, and seamless connectivity to stay productive and safe while on the road.

TOUGHBOOK Connected Vehicle allows you to combine a wide range of technologies and partner services to offer solutions that are tailored to the precise needs of your customers, giving their mobile teams unified control and reliable performance, wherever work takes them.

Vehicle Docks

Whether responding to an emergency at high speeds or navigating undulating terrain in remote locations, a range of rugged docking solutions keep mobile devices securely fastened, sufficiently charged and easily redeployed while on the move.

Routers

From enabling always-on working in remote areas to creating 5G networks for advanced IoT applications, TOUGHBOOK offers a broad range of 4G LTE and 5G wireless routers to unleash the potential of mobile broadband in the field.

Antennas

As mobile workers use more in-vehicle applications, keep vehicles and teams connected wherever they go with optimal installation of high-performance antennas to enhance cellular, Wi-Fi, and GPS signals.

Network Services

Let our experts help your field teams take full advantage of mobilised private 5G networks with 4G LTE and 5G Standalone SIM capabilities and find tailored enterprise data plans that are fully configured and optimised from day one.

System Integration

With dashboard space shrinking and tightening regulations on in-vehicle device use, teams can efficiently mirror a connected TOUGHBOOK device via the vehicle's built-in display, to access critical information and control external systems and accessories.

Power Management

When teams need safe and optimised device charging on the go, we can recommend a range of power management solutions including regulated power supplies, adaptors, and IPDUs for safe vehicle battery management.

Target use cases

With TOUGHBOOK Connected Vehicle solutions, you can cater to every industry where rugged reliability while on the move is key. Whatever the use case, you can help your customers to stay connected, improve collaboration, increase productivity and stay safe.

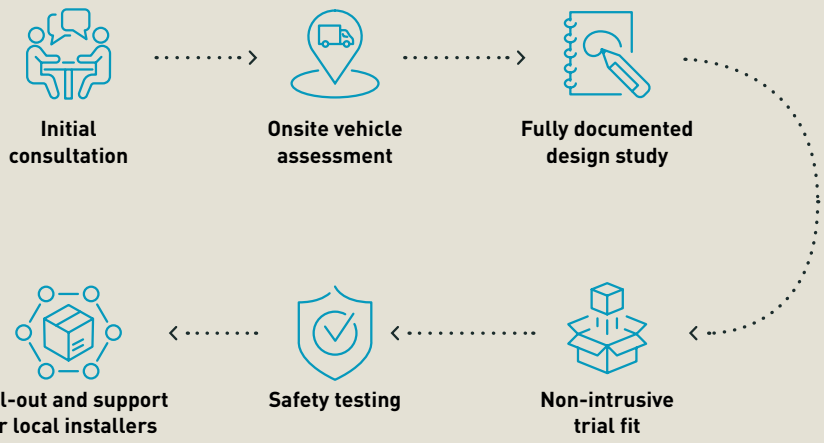
Here are some example use cases to help you start conversations:

	Possible use:
Emergency Services	EMS teams can benefit from a dual modem router to transfer large data files to the hospital in advance of their arrival.
Field Repair & Maintenance	Inexperienced engineers can use a mobile hotspot to live stream to a remote expert for help with complex tasks.
Utilities Infrastructure	Wherever they go, roaming 5G SIMs ensure constant and reliable connection for mobile teams.
Material Handling	Forklift crews moving across large facilities can dock devices for easy access to live inventory and systems.
Freight & Logistics	On-the-go job management and navigation are made with a securely docked device, and hard-wired rugged power adaptor.

Complete solutions, simply delivered

Offer your customers seamless, end-to-end Connected Vehicle solutions, from consultancy right through to integration of multiple technologies.

Our solutions are completely bespoke, ensuring that customers will always get the right solution for each of their vehicles. We offer support at every step of the journey, from initial consultation all the way through to roll-out.



Accelerate your customer projects

Our checklist will help you get the right information from your customers, so our Connected Vehicle integration experts can consult, plan and design the installation without delay.

DOWNLOAD CHECKLIST >

The power of partnerships

Panasonic work with a number of industry leading partners to provide an ecosystem of dedicated and TOUGHBOOK-certified vehicle accessories, mounts, docks, power, and connectivity technologies to ensure an ergonomic and efficient solution.

Here are some the key partners we work with:

Gamber-Johnson is an industry leader in design innovation, manufacturing high-quality vehicle mounts and docking stations for use with Panasonic TOUGHBOOK tablets and clamshells.

Havis offers industry-leading docking and power management solutions for Panasonic's fully rugged TOUGHBOOK range to keep devices secure and connected in demanding environments.

PMT works closely with Panasonic to create docking stations and cradles that are tested to the highest standards and compatible with their most popular rugged TOUGHBOOK devices.

Wireless network solutions, including rugged 4G LTE and 5G vehicle routers and antennas, with in-vehicle mounting options and dual modem capabilities to build secure, reliable networks for sites, vehicles, IoT devices, and remote teams.

The Cobalt Cube from VNC Automotive efficiently mirrors critical information from a connected TOUGHBOOK device onto the vehicle's built-in display and allows other vehicle systems to be controlled from the same TOUGHBOOK.

Lind are a leading provider of optimised mobile power and in-vehicle charging solutions, with ruggedised design and features suitable for all extreme environments.

A market leader in the design and manufacture of high-performance antennas, Panorama Antennas provide innovative antenna solutions to the critical communications, M2M and IoT, transportation, cellular LTE, and In-building market sectors.

From public safety & critical infrastructure to IoT solutions for smart cities, industrial, medical, and automotive applications, Taoglas releases hundreds of new antennas, connectors, cable assemblies, audio and magnetics solutions every year.

TOUGHBOOK

In Summary

TOUGHBOOK Connected Vehicle solutions are the ideal response to the modern mobile connectivity demands of customers with field teams that travel to extreme environments and are currently challenged by:

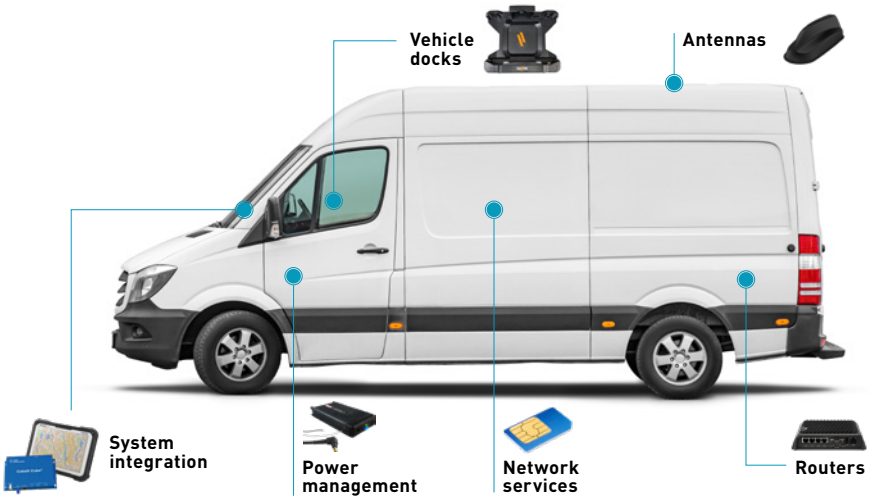
Fluctuating signal strength

Limited power options

Harsh operating environments

In-vehicle usage

Our end-to-end technology and services enable you to easily combine rugged devices with docking and charging stations, routers and connectivity solutions, and a wide range of external systems to offer customers unified control and reliable performance wherever the job takes them.



"With Panasonic and its partners, we have a ruggedised solution that delivers close to 100% connectivity for all of our patrols. This helps our technicians to more quickly and efficiently diagnose and repair vehicles at the roadside – increasing customer satisfaction."

The AA, UK

LEARN MORE >

Ready to get connected?

To learn more about any of the products, services, or solutions covered in this guide, the TOUGHBOOK Partner team are here to help.

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Panasonic CONNECT