



Bosch Information domain computer enables advanced in-vehicle features quickly and efficiently

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Domain computer powers a wide array of in-vehicle displays, user interfaces and infotainment features

- ▶ The Information domain computer is a powerful control unit that helps bring new features including voice assistants, in-car payments and more to market quicker.
- ▶ Collaboration with leading technology providers decreases time-to-market and enables differentiation of in-vehicle features.
- ▶ Bosch offers production-ready vehicle computers for every aspect of modern vehicles.

Plymouth, Mich. – In today's world, vehicles need incredibly powerful brains. In-vehicle displays, voice assistants, infotainment systems and advanced human-machine interfaces (HMIs) are becoming more prominent and sophisticated, and more processing power is required to manage and control complex in-vehicle systems.

Bosch has developed a high-performance infotainment domain computing system built precisely for the vehicles of today and tomorrow. It helps to bring features like in-car communication, in-car payment, video streaming, voice assistants and more to vehicles quickly. The Information domain computer delivers support for multiple in-vehicle systems within a single solution, and provides vehicle manufacturers with a cost-effective, flexible, scalable and powerful control unit for the future of in-vehicle technology.

“With the Information domain computer, Bosch is providing connectivity and computing power to the modern world of mobility,” said Stefan Buerkle, senior vice president and head of Connected Information Solutions, Bosch in North America. “Bosch has experience working together with a network of leading technology companies, and has developed a powerful and flexible integration platform to support and enable the rapid evolution of in-vehicle features.”

A collaborative network of technology industry leaders

The Bosch Information domain computer combines Bosch's leading expertise in automotive software solutions and domain-specific hardware expertise with solutions from a network of industry-leading technology companies in the hardware, component, software and services sectors. The result is a scalable platform that offers vehicle manufacturers the opportunity to utilize a combination of pre-integrated applications, the flexibility to support additional features developed in-house and the ability to accelerate time-to-market while managing cost efficiency.

Bosch has developed a pre-integrated solution that features technology from several collaborating organizations. The pre-integrated solution, built on the QNX® Neutrino® Realtime Operating System (RTOS) and QNX® Hypervisor, is designed to deliver reliable functionality to address the requirements of today's most advanced system designs. By combining a pre-integrated control unit with a customizable modular approach, the Bosch platform offers the flexibility to tailor in-vehicle features to customer preferences and market segments.

The pre-integrated Information domain computer is powered by a 3rd generation Snapdragon® Automotive Cockpit Platform, a product of Qualcomm Technologies, Inc. In addition to supporting higher levels of compute and intelligence needed for advanced capabilities featured in next generation vehicles, the 3rd generation Snapdragon Automotive Platforms are engineered to deliver rich visual and audio experiences, as well as highly intuitive artificial intelligent experiences for in-vehicle assistance and contextual safety and support for precise positioning for enhanced navigation. The enhanced display experience is made possible by Texas Instruments' FPD-Link™ SerDes technology for high-speed display and camera communications, which is supported by Molex ultra-reliable connector solutions.

Further options available on the Bosch Information domain computer platform include voice assistants through Amazon Alexa and Cerence; in-vehicle streaming with Access Twine4Car; and navigation experience via TomTom Navigation for Automotive embedded and cloud-based navigation.

In addition, it will support the BlackBerry IVY™ Intelligent Vehicle Data Platform co-developed by BlackBerry and Amazon Web Services (AWS) to enable development of new applications and use cases.

The user experience for the pre-integrated solution is tied together by Rightware with the award-winning Kanzi HMI toolchain for signature UI creation, in

collaboration with software integration expert Wipro Limited, a leading global information technology, consulting, and engineering services company.

Production-ready vehicle computers showcase continued Bosch leadership

Vehicle computers are central to Bosch's efforts to extend its leading role in software-intensive electronic systems. The customizable and flexible Information domain computer is the latest example of Bosch's leadership in vehicle computers. Bosch is prepared to offer information domain computers to address the specific needs of vehicle manufacturers. Bosch has production-ready vehicle computers for every aspect of modern vehicles, including cockpit and connectivity functions, driver assistance systems and automated driving, and powertrain and body electronics.

Bosch at CES 2022:

- **PRESS CONFERENCE: Tuesday, January 4, 2022**, from 8:00 to 8:45 a.m. local time (17:00–17:45 CET) with Dr. Tanja Rückert, Bosch CDO, and Mike Mansuetti, president of Bosch in North America, in Ballroom H, Mandalay Bay Hotel, Las Vegas **South Convention Center, Level 2**, as well as **livestreamed** on the [Bosch Media Service](#).
- **BOOTH: January 5–8, 2022**, in the Central Hall, booth #16103
- **ELECTRIC BIKE TEST TRACK: January 5–8, 2022**, at the eMobility Experience, LVCC, West Hall, West Plaza
- **FOLLOW** the Bosch CES 2022 highlights on Twitter: **#BoschCES**
- **PANELS WITH BOSCH EXPERTS:**
Friday, January 7, 2022, 10:00 a.m., Venetian Hotel (local time)
Building a Resilient Smart Home session with Dr. Carla Kriwet, CEO at BSH Hausgeräte GmbH

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About Bosch

Having established a regional presence in 1906 in North America, the Bosch Group employs 34,700 associates in more than 100 locations, as of December 31, 2020. In 2020, Bosch generated consolidated sales of \$12.3 billion in the U.S., Canada and Mexico. For more information, visit www.bosch.us, www.bosch.ca and www.bosch.mx.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 395,000 associates worldwide (as of December 31, 2020). The company generated sales of \$81.7 billion in 2020. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its

customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 126 locations across the globe, Bosch employs some 73,000 associates in research and development, as well as roughly 30,000 software engineers.

Additional information is available online at www.bosch.us, www.iot.bosch.com, <https://us.bosch-press.com/>, <https://twitter.com/BoschPress>

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