

BlackBerry introduces its latest QNX OS to the smart car market

BlackBerry has launched the QNX® software development platform 7.0 (QNX® SDP 7.0), a 64-bit embedded operating system (OS) for the automotive industry,

"With the push toward connected and autonomous vehicles, the electronic architecture of cars is evolving - from a multitude of smaller processors each executing a dedicated function, to a set of high-performance domain controllers, powered by 64-bit processors and graphical processing units," said John Wall, senior vice president and head of BlackBerry QNX.



Source: [Yahoo News](#)

"To develop these new systems, our automotive customers will need a safe and secure 64-bit OS that can run highly complex software, including neural networks and artificial intelligence algorithms. QNX SDP 7.0 is suited not only for cars, but also for almost any safety- or mission-critical application that requires 64-bit performance and advanced security. This includes surgical robots, industrial controllers and high-speed trains."

QNX SDP 7.0 provides high performance and enhanced kernel-level security through an array of features, including microkernel architecture, file encryption, adaptive time partitioning, a high availability framework, anomaly detection, and multi-level policy-based access control.

Featuring the next-generation QNX Neutrino® Realtime OS and QNX Momentics® Tool Suite, this OS helps guard against

system malfunctions, malware, and cyber attacks by implementing a multi-level, policy-driven security model. It also offers a safety pedigree proven by certification to ISO 26262 ASIL D for automobiles and to IEC 61508 SIL 3 for industrial automation systems, and by compliance with IEC 62304 for life-critical Class III medical devices.

As automakers look to consolidate domain functions such as infotainment, telematics, and digital instrument clusters into a virtual cockpit controller, QNX SDP 7.0 provides a realtime OS that supports 64-bit for the ARMv8 and Intel x86-64 architectures, along with virtualisation capabilities. QNX SDP 7.0 can help ensure that these automated systems perform all processes and actions reliably, within the predefined amount of time needed for successful and safe execution.

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