



# PORTING ASSESSMENT

## BLACKBERRY QNX PROFESSIONAL SERVICES



DATASHEET

Your safety-critical embedded systems need to run 24 hours a day, 365 days a year without failure. This means they need to be safety-certified, extremely reliable, and highly secure. The complexity of these systems is compounded by the range of technology choices available, and an ever-increasing set of safety requirements.

BlackBerry QNX has developed a set of software assessment service packages to guide you through the complex process of aligning the right technology and processes with your development goals. Designed to help your team get the most from the broad range of safety-certified and secure software products from BlackBerry QNX, our software assessments help you increase reliability, shorten time-to-market and reduce development costs.

Selecting a new operating system (OS) to be the foundation for your embedded system can be challenging enough. That challenge is compounded by the effort needed for you and your team to understand how best to migrate your existing software and build environment to the new OS.

BlackBerry QNX understands software selection and porting challenges. So, to help you get a head start on your potential migration to the latest QNX® Neutrino® Real-Time Operating System (RTOS) release, we offer a porting assessment service package that enables you to:

- Gain a preliminary understanding of the magnitude of your code porting effort

- Minimize porting project risk by identifying high-risk and high-complexity areas
- Understand costs of porting effort and identify potential cost savings
- Accelerate and simplify your porting effort

## **PORTING ASSESSMENT**

The BlackBerry QNX Porting Assessment service package provides a preliminary review and written report to help customers better understand the effort to port from legacy versions of BlackBerry® QNX® products or other operating systems (e.g., Linux) to the latest QNX Neutrino RTOS.

Our professional services team has performed this service many times, successfully helping many clients determine the effort needed to port from legacy versions of QNX, Linux®, and other operating systems to the QNX Neutrino RTOS. Our extensive experience has enabled us to acquire a deep understanding of the many common porting considerations across all operating systems. This has helped us become experts in helping clients determine the best path to realizing an optimal solution when migrating to the QNX Neutrino RTOS.

Upon receipt of your system information (e.g., design documents, product literature, source code, build environment, etc.), we will begin to analyze and assess the effort needed to port to the QNX Neutrino RTOS and provide a written report describing items such as:

- Report objectives and analysis performed
- Primary software module overview and dependencies
- Porting effort summary
- Porting areas for special consideration
- Suggested next steps

The amount of information you share, along with the magnitude and complexity of the software will dictate the level of detail we provide in the report in the time allotted.

If you decide to use BlackBerry QNX Professional Services to do the porting project for you within 60 days, the cost of this assessment will be credited against that engagement.

## **PACKAGE DETAILS**

This package includes up to 80 hours with BlackBerry QNX engineers, which can be used over a 60-day period.

During this engagement we will provide:

- A written report outlining porting effort and estimate for porting services engagement
- A project review call to walk through the report and key findings
- Two QNX® Software Development Platform 60-day evaluation licenses



**About BlackBerry QNX:** BlackBerry QNX is a trusted supplier of safe and secure operating systems, hypervisors, frameworks and development tools, and provides expert support and services for building the world's most critical embedded systems. The company's technology is trusted in more than 195 million vehicles and is deployed in embedded systems around the world, across a range of industries including automotive, medical devices, industrial controls, transportation, heavy machinery and robotics. Founded in 1980, BlackBerry QNX is headquartered in Ottawa, Canada and was acquired by BlackBerry in 2010.

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BlackBerry QNX software and development tools are standards-based and enable companies to adopt a scalable software platform strategy across product lines and business units. The BlackBerry QNX software portfolio, including safety pre-certified products, is purpose-built for embedded systems and scales from single-purpose devices to highly complex systems of mixed criticality. Because we are successful only when you are, you can rely on our support and professional services teams to provide the expertise you need, when you need it—throughout the entire product development lifecycle.

