

QNX Software Systems

Reduce risks. Save costs. Exceed customers' expectations.



People encounter QNX-controlled systems whenever they drive, shop, use the Internet, or even turn on a light. Through embedded market specialization and proven expertise, QNX Software Systems has become a trusted partner to the world's largest device manufacturers, systems integrators, and software developers.

Products

Operating Systems

- **QNX® Neutrino® RTOS** is a full-featured, multi-core operating system with advanced security and fault containment mechanisms built directly into the OS and kernel, and flexible graphics technologies.
- **QNX OS for Medical** complies with IEC 62304 and is designed to help reduce the effort of building safety-critical medical devices that require regulatory approval.
- **QNX OS for Safety and Security** is a realtime operating system that provides a dual-certification credential to satisfy functional safety and OS security requirements simultaneously.
- **QNX OS for Security** is the full-featured RTOS certified to Common Criteria ISO/IEC 15408 Evaluation Assurance Level (EAL) 4+.
- **QNX OS for Safety** is certified to IEC 61508 Safety Integrity Level 3 (SIL 3), and is designed to offer a very high level of reliability and risk reduction for safety-critical systems.

Apps and Media

- **QNX SDK for Apps and Media** allows device manufacturers to build mobile-like UIs with full multimedia capabilities. It offers optimized browser performance, cutting-edge HTML5 features, consumer electronics device connectivity, and audio and video playback.

Tools

- **QNX Momentics® Tool Suite** is a comprehensive, Eclipse-based integrated development environment with innovative profiling tools. It provides at-a-glance views of realtime interactions, memory profiles, and more, enabling shorter debug times and faster time to market.

Acoustics

- **QNX Acoustics for Active Noise Control** is a software solution used to dramatically reduce unwanted engine noise inside the cabin of a vehicle. The high-performance, flexible library integrates with existing vehicle hardware.
- **QNX Acoustic Processing Suite** is a modular library of field-proven algorithms that improves the clarity, quality, and accuracy of voice communications for challenging acoustic environments.

Platforms

- **QNX CAR™ Platform for Infotainment** is a unique set of pre-integrated and optimized technologies from QNX Software Systems and ecosystem partners. It provides a variety of options for building reliable, world-class infotainment systems.



Automotive Telematics and Infotainment

Automation and Control

Medical Instrumentation

Networking & Telecommunications

Military, Security, and Defense

Global leaders depend on QNX technology for vehicle infotainment units, network routers, medical devices, industrial automation systems, security and defense systems, and other mission- and life-critical applications.

Services

QNX Professional Services provides cost-effective assistance and expertise throughout the development cycle, including flexible support programs, professional training, expert consulting, and custom engineering. QNX services complement and enhance an organization's strengths to help meet their time to market goals within budget and on spec for high quality end products that exceed customer expectations.

Partners

QNX Software System's most fundamental technology relationships are based on the silicon sitting beneath the OS and the market-driven middleware components that sit on top of it. More than 200 industry-leading hardware and software vendors give QNX customers extended functionality and optimize the performance of their future designs.

At a Glance

Founded: 1980

Headquarters: Ottawa, Canada

Worldwide offices:

- Canada
- China
- Germany
- Japan
- Korea
- United Kingdom
- United States

Authorized distributors: Over 100 countries on 6 continents

Industry Certifications

- ISO 9001:2008
- Common Criteria Security Certification (EAL 4+)
- IEC 61508 Safety Integrity Level (SIL 3)
- IEC 62304 Software Life-Cycle for Medical Devices
- OpenGL ES certified conformant implementation
- POSIX PSE52 Realtime Controller 1003.13-2003

Technology Leadership

- 1980** First commercially available microkernel RTOS
- 1984** First (and only) RTOS with transparent distributed processing
- 1993** First POSIX-certified microkernel RTOS
- 1994** First microkernel-based windowing system
- 1997** First RTOS to support symmetric multiprocessing
- 2002** First Eclipse-based IDE for embedded development
- 2005** First (and only) RTOS with adaptive partitioning
- 2009** First connected application platform for automotive
- 2010** First multi-core RTOS with EAL 4+ and SIL3 certifications
- 2012** First HTML5 framework for automotive
- 2014** First realtime platform with smartphone-like capabilities

Connect

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