QNX SOFTWARE SYSTEMS




Reduce risks. Save costs. Build the products your customers want.

QNX® Software Systems offers RTOS technology, development tools, feature-rich middleware, professional services, and an integrated ecosystem for rock-solid embedded design and dramatically fast development time.

RTOS – The QNX® Neutrino® RTOS is a full-featured and robust OS that scales down to meet the constrained resource requirements of the smallest real-time embedded system. Its true microkernel OS and modular architecture enables customers to create highly optimized and reliable systems with low total cost of ownership. It is the embedded industry's only field-proven and clean migration strategy for multi-core.

Tools – The QNX® Momentics® Tools Suite is a comprehensive, Eclipse-based IDE with innovative profiling tools for maximum insight into system behavior. These unique tools give developers at-a-glance views of real-time interactions, memory profiles, and more, for shorter debug times and faster time to market. Multi-core specific tools allow developers to cleanly migrate legacy code and optimize it for multi-threaded environments.

Multimedia – The QNX® Aviage® Multimedia Suite is a fully customizable and full-featured framework for quickly building high-value digital infotainment solutions that range from simple media players to multiple-node systems with multi-media sharing. Built-in device connectivity and distributed functionality speed time to market and keep development costs low.

HMIs – The QNX Aviage HMI Suite is an Adobe-Flash based toolkit optimized for quickly creating exciting embedded HMIs that allows customers to leverage industry-standard HMI code and a strong developer community. Its application platform design and app store technology save significantly on development time and effort.

Hands-free – The QNX Aviage Acoustic Processing Suite is a modular library of field-proven algorithms that improves the clarity, quality, and accuracy of voice communications for hands-free and speech recognition systems. It allows customers to build a high-quality, resilient audio solution without expensive and time-consuming tuning for each environment.

QNX technology is based on three principles:

1. **Microkernel architecture:** Bug resiliency, self-healing systems, rapid development, field upgradeability
2. **Industry standards:** Reusable software assets, tool and application portability
3. **Pre-integrated platforms:** Development-ready technology, low-risk prototypes, fast time to market

Industry Solutions – To help organizations become leaders in their industries, QNX Software Systems offers pre-integrated reference implementations and enablement strategies. This provides customers in several key markets with risk-free prototyping and fast time to market.

Services – QNX Professional Services provides cost-effective assistance and expertise throughout the development cycle. From concept through production to maintenance, our services portfolio complements and enhances 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.

Support – Forced software migration is a foreign concept at QNX Software Systems. QNX 2, first released in 1982, is still supported 28 years later and QNX 4, first released in 1991, is still maintained with new releases. Add to this a developer retention rate that is 600% better than the industry average (7 years as opposed to 13 months), and customers get the assurance of building products that can be maintained, extended, and supported for decades to come.

Ecosystem – Our most fundamental technology relationships are based on the silicon sitting beneath the OS and the market-driven middleware components that ride on top of it. Close to 300 best-in-class hardware and software vendors give customers choice and flexibility throughout the development cycle.

QNX SOFTWARE SYSTEMS

Founded: 1980

Headquarters: Ottawa, Canada

Worldwide offices:

- Throughout the US
- Hanover, Germany
- Tokyo, Japan
- Shanghai, China
- Bangalore, India

Authorized distributors: Serving 40 countries on 6 continents

KEY MARKETS

- Automotive telematics and infotainment
- Industrial control and building automation
- Medical instrumentation
- Networking and telecom
- Military, security, and defense

KEY TECHNOLOGY PARTNERS

- Adobe
- Advantech
- Freescale
- Intel
- Kontron
- Renesas
- Texas Instruments

TECHNOLOGY LEADERSHIP

1980 First commercially available microkernel RTOS

1984 First (and only) RTOS with transparent distributed processing

1990 First POSIX-certified RTOS

1994 First microkernel-based windowing system

1997 First RTOS to support SMP

2002 First Eclipse-based IDE for embedded development

2005 First (and only) RTOS with adaptive partitioning

2008 First RTOS to support embeddable Flash development

INDUSTRY CERTIFICATIONS

- IEC Safety Integrity Level (SIL 3) – Fall 2010
- Common Criteria Security Certification (EAL 4+)
- ISO 9001:2000
- POSIX PSE52 Realtime Controller 1003.13-2003
- OpenGL ES certified conformant implementation

INDUSTRY RECOGNITION

1995 **Byte** Magazine's Editor's Choice Awards, Award of Distinction

1997 **Jolt** Productivity Award

1998 **Financial Post** award, Canada's 50 best-managed companies

2002 **Fortune Magazine** Heroes of Manufacturing designation

2003 **Software Development Times** 100 list

2004 **Embedded Award** (software category) at Embedded World

2006 **Embedded Award** (software category) at Embedded World

Frost and Sullivan Automotive Software Innovation of the Year Award

Eclipse Community Award for Best Contributor

2007 **Eclipse** Community Award for Best Developer Tool

EDN China Innovation Award

Software Development Times 100 list

2008 **Elektra** Award (embedded systems category)

Intel Embedded and Communications Alliance Award of Excellence

2009 **Adobe MAX** Award (mobile category)

Dataweek Product of the Year Award

2010 **Telematics Awards** best telematics component category (QNX CAR Application Platform)

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