QNX CAR Platform for Infotainment

A complete prototype-friendly and production-ready solution for quickly building rich infotainment systems.

The QNX® CAR™ Platform for Infotainment is a pre-integrated software stack that includes production-proven technology from QNX Software Systems and dozens of ecosystem partners. As a comprehensive reference implementation, it allows development teams to easily create world-class infotainment systems.

- HMI options include Qt and HTML5 implementations, with EB GUIDE and Crank Storyboard Suite supported
- HTML5 framework for leveraging mobile ecosystems

- Secure container for safely running Android apps
- Customizable HMI for reskinning and personalization
- Application download functionality
- Multimedia — Internet streaming radio, mobile device connectivity, and cover flow album art
- HD hands-free communication including conversational voice recognition
- Abstraction layer providing flexible access to platform services

Home screen
HTML5-based application widgets for creating a customizable main screen

App store
Support for downloadable applications and app store functionality

Radio
RDS-capable radio interface with on-board DSP integration on selected platforms

Multimedia
Support for full-featured media playback from iPods, iPhones, DLNA servers, USB mass storage devices, and streaming Internet radio

Personalization
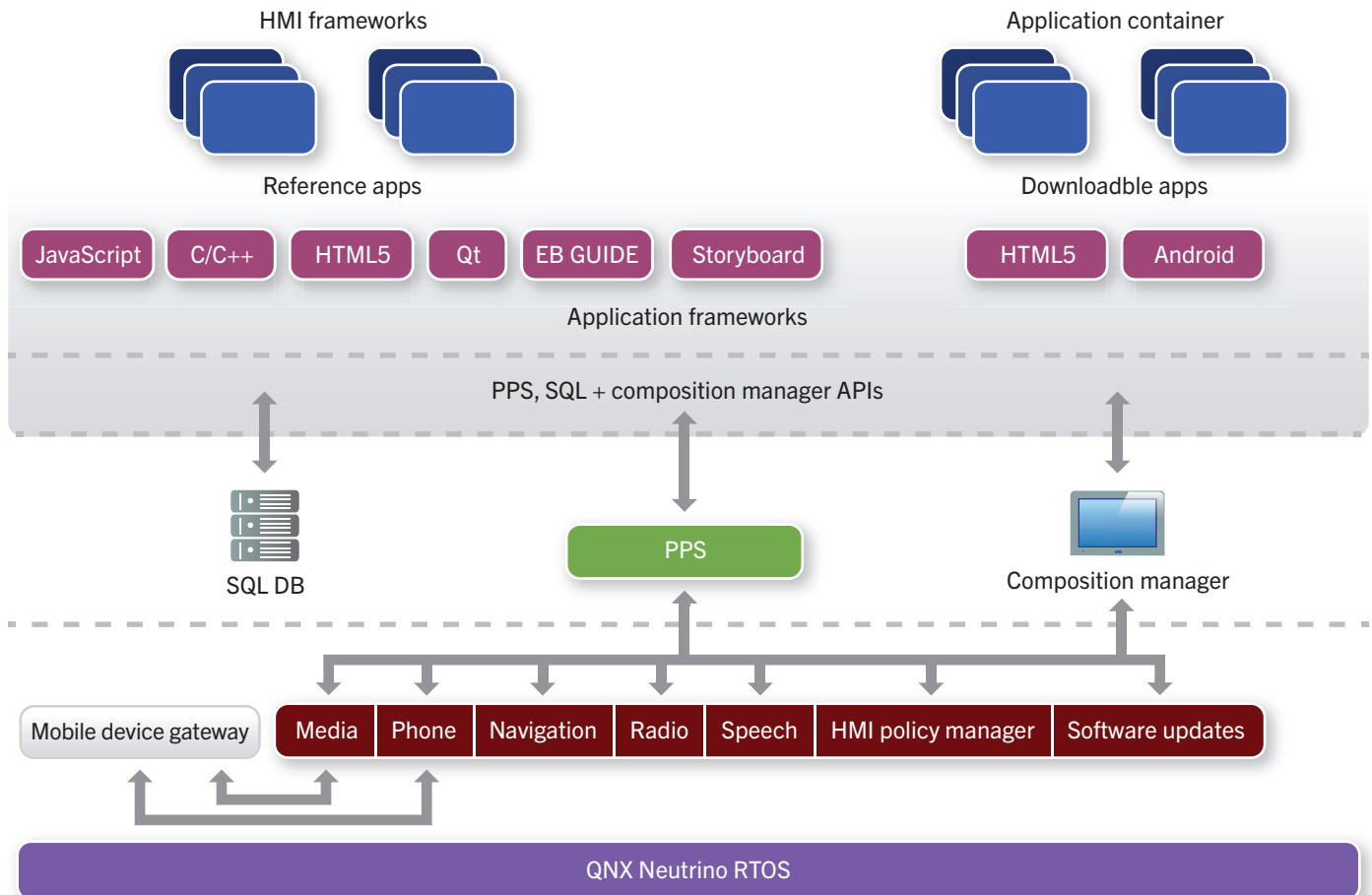Inherent user-interface reskinning in the HTML5 HMI including downloadable applications

Native interfaces
Well-defined APIs for access into underlying hardware or system services in a safe and controlled way

QNX CAR ecosystem

QNX is pleased to work with both established leaders and up-and-coming players in automotive infotainment: 7Digital, AT&T, Accuweather, Airbiquity, Altia, Apple, ARM, BestParking, Bsquare, Cambridge Silicon Radio, Crank Software, Cybercom, Elektrobit, Fraunhofer, Freescale, Fujitsu, Gracenote, HearPlanet, Marvell, Master Image 3D, Mecel, Microsoft, NavNGo, Nuance Communications, nVidia, NXP, Packet Video, Pandora, Parkopedia, Qualcomm, RealVNC, Redbend, Renesas, Shazam, Slacker, Sybase/iAnywhere, TCS, Teleca, Telenav, Texas Instruments, The Imagination Group, The Weather Network, TuneIn, Vector Informatik, Vivante, Voicebox Technologies, Wcities, and Xilinx.

HMI frameworks

Application container

Reference apps

Downloadble apps

| JavaScript | C/C++ | HTML5 | Qt | EB GUIDE | Storyboard | | HTML5 | Android |

Application frameworks

PPS, SQL + composition manager APIs

SQL DB

PPS

Composition manager

| Mobile device gateway | Media | Phone | Navigation | Radio | Speech | HMI policy manager | Software updates |

QNX Neutrino RTOS

About QNX Software Systems

QNX Software Systems Limited, a subsidiary of BlackBerry, is a leading vendor of operating systems, development tools, and professional services for connected embedded systems. Global leaders such as Audi, Cisco, General Electric, Lockheed Martin, and Siemens depend on QNX technology for vehicle infotainment units, network routers, medical devices, industrial automation systems, security and defense systems, and other mission- or life-critical applications. Founded in 1980, QNX Software Systems Limited is headquartered in Ottawa, Canada; its products are distributed in more than 100 countries worldwide. **Visit www.qnx.com**

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