QNX SOFTWARE SYSTEMS

QNX® MOMENTICS DEVELOPMENT SUITE
v6.3.2
LICENSE GUIDE
Version 2.6

(see Publication History for version details)

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1. Introduction

This License Guide describes the contents and corresponding licensing attributes of version 6.3.2 of the QNX Momentics® Development Tools, as well as the corresponding QNX Neutrino® RTOS and the optional Aviage™ Middleware Products (collectively, the "QNX Development Suite"). It is also designed to present, in a convenient manner, the third party licensing considerations in the QNX Development Suite.

The QNX Development Suite is licensed to you by QNX Software Systems International Corporation ("QSS") under one of three QNX developer licenses, copies of which were provided with the QNX Development Suite and which have also been published at the respective URL (collectively the "QNX Developer Licenses" or the "QDLs"): (1) the QNX Commercial Software License Agreement ("CSLA"), for commercial developers – see http://licensing.qnx.com/csla/; (2) the QNX Partner Software License Agreement (PSLA"), for members of the QNX eco-system – see http://licensing.qnx.com/psla/; and (3) the Non-Commercial End User License Agreement ("NCEULA), for non-commercial developers, including evaluators, hobbyists, students and academic faculty members – see http://licensing.qnx.com/nceula/.

This License Guide is broken out into separate tables for each QNX Development Suite product type, with each table containing a series of columns used to link the applicable attributes to the relevant components. Runtime Components (as defined in the QDLs) are listed separately unless otherwise specifically noted. Most of these Runtime Components come bundled in binary form with the QNX Momentics Development Tools in the QNX Development Suite. Specific export / import information is provided at the end of this License Guide.

The QNX Development Suite includes everything you need to build and maintain a QNX Neutrino RTOS-based embedded system.

Major components included within the QNX Development Suite are:

- QNX Momentics Base Development Kit: These tools represent the components that are typically used in-house by QSS customers within their embedded device development teams. If the QNX Neutrino RTOS is the "engine" that will empower the embedded system that you're developing, then QNX Momentics Development Tools are the "factory" where you modify your engine as well as build, test and finish your product.

- QNX Momentics Integrated Development Environment (IDE): This is your toolbox. The IDE's task-oriented interface helps you quickly set up your project, choose your programming language, choose a target processor, compile your code, connect to your target, transfer your application to your target, run it, debug it, profile it and fine-tune it. If you prefer an old school approach, you can use command-line tools to do your development. The command line tooling is also available as a Runtime Component (Neutrino Command Line Tools) for customers that need to ship basic compile and link capability with their product for end-users to use.

- QNX Neutrino RTOS Runtime: You will select a number of these components to ship in your target system. They include the kernel, system libraries, utilities, networking, file systems, high availability framework, Photon GUI and supporting device drivers.

- Neutrino Advanced Runtime Module: These technologies extend the capabilities of the base QNX Neutrino RTOS with features like Extended Networking, Adaptive Partitioning, Multi-core support and Instant Device Activation (all formerly TDKs).

After installing your QNX Development Suite, you will be entitled to download the following:

- Binary versions of Board Support Packages (BSPs): BSPs help you get the QNX Neutrino RTOS and your applications running on specific evaluation boards, allowing you to target your platform of choice for building your target system.

- Driver Development Kits (DDKs): DDKs contain full source code and detailed documentation to help you write your own drivers for various devices such as audio, graphics, input (mice, keyboards, etc.), network, printer and USB.

Other specialized components are separately available, depending on the form of your QNX Development License.

- QNX Aviage Middleware Products: These are kits that augment the base QNX Neutrino Base Runtime Components with specialized, value-added technologies. They are packaged separately and licensed on a "Project" basis to help you control costs for the QNX-based systems you build.

Like all other operating system technology providers in the embedded marketplace, QSS includes a number of third party software contributions in its products. Examples include our Eclipse-based Integrated Development Environment, our GNU-based compiler, linker & debugger tools, our NetBSD based TCP/IP stack, various standard development and runtime utilities, and a host of drivers that incorporate third party code supplied by the vendors of the hardware for which they were written. Third party license terms are a fact of life in any embedded development project. When adopting QNX tools or Runtime Components your developers can review this License Guide to determine the applicable license terms or special considerations that apply to the QNX products they plan to use. To identify the subset of relevant license terms for a particular configuration of Runtime Components in your target system, gather the applicable references in the End-User Licenses column for the applicable technologies adopted, and look up the specific license terms in the corresponding Third Party License Terms List ("TPLTL", available at http://licensing.qnx.com/third-party-terms/, a copy of which has also been included in the QNX Development Suite installation media).

Notwithstanding any fees paid by you for a QNX Development Suite license under the CSLA, no license fees are payable for any components identified in this License Guide as licensed under the GPL or LGPL, and source code for all of this GPL/LGPL software is available for free download at ftp://ftp.qnx.com/usr/free. If you have any difficulty locating or accessing this source code, email licensing@qnx.com and we will send you a copy for a nominal charge (i.e., the cost of physically performing the source distribution). QSS is not allowed to sub-license the GNU software to you. Instead, you are deemed to have your own direct license from the original licensee, as follows. Any terms of the CSLA that differ from the terms of these licenses are offered to you by QSS alone.

(1) The GNU development tools and certain other utilities noted in this License Guide are licensed to you under the GNU General Public License – Version 2, a copy of which has been reproduced in the Third Party License Terms List.

(2) Certain libraries (e.g., GNU C++) noted in this License Guide are licensed to you under the terms of the GNU Lesser General Public License – Version 2.1, a copy of which has been reproduced in the Third Party License Terms List. To meet its obligations under the GNU LGPL, QSS only dynamically links to such libraries.

You are not authorized to: (a) statically link any part of the QNX Development Suite software licensed under any QDL to any code licensed under the LGPL, or (b) statically or dynamically link any part of the of the QNX Development Suite software licensed under any QDL to any code licensed under the GPL, or (c) otherwise use any GPL or LGPL licensed code with other parts of the QNX Development Suite software in a manner that would require redistribution of such software under either of those licenses.

A license to distribute Runtime Components that you want to embed in your product is available from QSS under a separate agreement (e.g., a Runtime License Agreement or an OEM License Agreement). For more information see http://licensing.qnx.com/oem-distribution/).

Changes from QNX Development Suite v6.3.0.

With the release of the QNX Development Suite version 6.3.2, a number of technologies that were formerly licensed as Technology Development Kits (TDKs) have been repackaged as part of other QNX software products. Some now fall into the QNX Neutrino RTOS Runtime, and the rest have been included in a new Runtime Component, called the Neutrino Advanced Runtime Module (also distributed as part of the QNX Development Suite and licensed separately as a Runtime Component). The following TDKs have been discontinued, and the technologies have been made available as described below.

- Critical Process Monitoring TDK is now part of the QNX Neutrino RTOS Runtime
- Flash File and Embedding TDK is now part of the QNX Neutrino RTOS Runtime
- Multi-Core TDK is now part of the Neutrino Advanced Runtime Module
- Adaptive Partitioning TDK is now part of the Neutrino Advanced Runtime Module
- Instant Device Activation is now part of the Neutrino Advanced Runtime Module
- Extended Networking TDK is now part of the Neutrino Advanced Runtime Module

2. Interpretation of Column References

The information provided in any row of a product description applies to all of its constituent components, unless otherwise expressly stated.

Column	Content Description
Version	Indicates the version number of the referenced product.
Part Number(s)	Indicates the QSS part number of the referenced product.
Code	Indicates the form of software code provided. References to "Source" indicate that "source code is included", rather than "comprehensive source code for every elements of the product is included". "Object" means binaries in object or executable form.
Type	Indicates the Type I, Type II and Type III QNX Development Suite ratings, as referenced in the QDL.
Support	Indicates the level of support provided for the referenced products. "Full" means full support by QSS under its Standard and Priority Support Plans. "Limited" means there limits are imposed on QSS's support – "Limited (Source)" means the limits relate to support of source code and "Limited (3rd Party)" means the limits relate to QSS reliance on third parties for support. "Unsupported" means QSS does not provide support for the referenced component(s).
Licenses	Indicates the end user license terms, including any flow-through terms referenced in the consolidated Third Party License Terms List (version 2) ("TPLTL") which is published at http://licensing.qnx.com/third-party-terms/.

* Copies of the QSS QDL and the TPLTL may also be obtained directly from QNX Software Systems.

QNX Software Systems International Corporation is the licensing entity for intellectual property owned by QNX Software Systems GmbH & Co. KG. All intellectual property, including without limitation copyrights, formerly held by QNX Software Systems Ltd. Are now owned by QNX Software Systems GmbH & Co. KG. Copyright notices in the QNX Development Suite and documentation will be updated in due course to reflect change in ownership.

3. QNX Momentics Development Tools

The QNX Momentics Development Tools comprise development tools and software development kits that are not redistributable except as expressly provided under the corresponding QNX Neutrino Base Runtime Component description. In particular, libraries are provided in several different forms. Each type has different redistribution rules, as follows:

- Static archives: these libraries are incorporated directly into executables during compilation. Like header files, they may only be redistributed as part of the larger work that they are used to create. These are ELF files ending in an ".a" extension.
- Dynamic (shared) libraries: these libraries are loaded independently at runtime as needed by executables, in a process that automatically occurs when the application is run. These libraries are redistributable, subject to proper licensing of the corresponding module(s) described in the QNX Neutrino Base Runtime Component tables. These are ELF files ending in a ".so" extension. Shared libraries are usually found in a directory named "lib".
- Dynamic link libraries (a.k.a. plug-ins): these libraries are loaded on demand under control of the application itself. These libraries are also redistributable under the same terms as dynamic libraries. These are ELF files ending in an ".so" or "dll" extension. Dynamic link libraries are usually found in a directory named "dll".

3.1 QNX Momentics Base Development Kit

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.2	910341 (perpetual license) 910347 (subscription license) 910366 (floating license)	Complete set of development tools, associated configuration files (e.g., header files for APIs), static libraries and documentation for creating applications for the QNX Neutrino RTOS.	Object	Type I, except as noted	Full	QSS QDL, except as noted in any TPLTL references
		A. GNU Tools				GPL
		A1. GNU Compiler Collection (GCC): Complete set of development tools, associated configuration files and static libraries for compiling applications for QNX Neutrino RTOS.				
		A2. GNU binutils: Assembler (gas), Linker (ld) – Tools for manipulation of binary (executable, object) files in development				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		environments.				
		A3. GNU binutils: Assembler (gas), Linker (ld) – Tools for manipulation of binary (executable, object) files in development environments.				
		B. GNU Debugger: GNU debugger (GDB) with remote debugging capability				GPL
		B1. Utilities: Tools used with GDB				OO: 83
		C. Systems libraries and headers				
		C1. QNX system library for OS API				BPL: 1; BSD1: 53; BSD2: 62; OO: 30,82, 84
		C2. Device driver interface: headers and libraries for use with device drivers				LGPL - - lib/asound only
		C3. Legacy libraries: libraries from previous versions of the QNX Neutrino RTOS and Photon GUI Technology				
		C4. QNX/Dinkum C library				OO: 218
		C5. Dinkum C++ library and template support				OO:27, 218
		C6. Embedded C++ library and template support (Dinkum abridged library)				OO: 218
		C7. Networking library				BSD1: 20, 57,72; BSD2: 18; DEC: 9; IBM: 5; ISC: 6; OO: 150, 2, 33, 62, 86
		C8. Compression libraries		Type II		OO: 147, 31
		C9. XML library				
		C10. Encryption libraries				Contact QSS at licensing@qnx.com for details on specific encryption-enabling utilities.

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		C11. Image handling libraries: libraries for reading image formats. N.B. QSS does not offer any 3rd party JPEG patent licenses or related infringement indemnification.		Type III	Unsupported	OO: 47, 48. 79 **No 3rd party patent licenses provided.**
		C12. GNU C++ legacy library: GNU libstdc ++ library from previous versions of the QNX Neutrino RTOS, for compatibility		Type III	Unsupported	LGPL
		D. Utilities: Command line development tools for object files and executable file manipulation, and utilities tools primarily provided for development purposes.				
		D1. SDK utilities: Tools used for creating applications and boot images				
		D2. QNX development utilities: developer productivity tools				BSD1: 6; BSD2: 30, 78; OO: 142, 57, 58
		D3. QNX development utilities: self-hosted environment utilities (includes Mozilla Web browser)				BSD2: 30, 6, 78, 92, 94; OO: 143, 149. 22, 25, 72 MPL
		D4. TCPI/IP Development utilities (rpcgen – only for QNX (self) hosted development)				
		D5. Runtime utilities (See the QNX Neutrino Base Runtime Component tables)				
		D6. GNU Development Utilities: version control and other development services				GPL
		D7. GNU Development Utilities: used in development for data transfer				GPL
		D8. GNU Development Utilities: optional/convenience development tools				GPL
		E. Cross-Hosted Development: Provides complete support for QNX Neutrino RTOS development under either Windows NT (including Windows XP, Windows 2000), Solaris (SPARC), or Linux (Red Hat) operating				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		systems.				
		E1. Windows host environment: Operating environment for development tools				
		F. Processor Support: Provides complete support for developing QNX Neutrino RTOS applications targeting a variety of processor architectures (32 bit MMU).				
		G. Embedding Tools: Provides complete support for creating boot images for embedded devices, based on single-board computers or custom board designs. Adds features for reduced memory footprint on the target device.				
		G1. Target system development utilities				BSD1: 32
		G2. Utilities (mkifs, mkefs, mkimage, mkrec, dumpifs)				
		H. GUI Connectivity: Photon MicroGUI connectivity tools for the development environment (also known as Phindows software)				CMU: 10
		I. Sample code			Unsupported	
1.1.0		J. Flash File Systems: Resilient file system support for flash media, including support for decompression and compression tools. Resilient to failure, support for NAND or NOR, allows use of POSIX file system modules with flash media (devb-nand). Flash file system support is not required for embedded images (IFS).	Object and source	Type I	Limited (Source)	QSS QDL except as noted in any TPLTL references below.
		J1. Flash file system — Read/write file systems for different flash parts.				
		J2. FFSv3 — NOR flash file system with added resilience features.				
		J3. ETFS— Resilient transactional file system for flash media.				
		J4. Inflator tool — on-the-fly decompressor.				
		J5. Deflator tool — off-line compression utility.				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		J6. BSPs — Source code, binaries and documentation to board support packages for QSS-specified reference designs. The content of each BSP will vary according to the vertical market focus. The BSPs generally include:				
		J61. Board bring-up libraries (IPL, Startup, flash) and headers				
		J6.2. Embedding Source				
		J6.3. Source code to board bring-up libraries				
		J6.4. Source code to driver libraries				
		J6.5. Validation environments — Source code and pre-compiled debug versions of board support packages for QNX reference platforms.				
		BSP-specific information is provided in the QNX Board Support Package tables below.				
1.0.1		K. High Availability: Source code to the QNX critical process monitor (HAM) and guardian, for tailoring to specific OEM use. Supersedes HA Customization Kit. Pre-compiled runtime binaries are included with a Development Seat for the QNX Development Suite.	Source	Type I	Limited (Source)	QSS QDL, except as provided in any TPLTL references below.
		K1. Development components and documentation required to write a critical process monitor for managing service/application availability				
		K2. Headers and libraries				
		K3. Documentation				
		K4. Regression tests				
		K5. Source code to HA manager CPM, and associated components				
		K6. HA manager				
		K7. Guardian				
		K8. Client connection library (recovery)				

3.2 QNX Momentics Integrated Development Environment (IDE)

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
4.0.1	See 3.1	QNX Momentics Integrated Development Environment (IDE) provides a cross-platform, integrated development environment as an added value to the QNX Momentics Base Development Kit. The IDE provides complete development life cycle tools for QNX Momentics RTOS applications, as well as the ability to "plug in" third party tools in an integrated manner.	Object	Type I, except as noted	Full	QSS QDL, except as noted in any TPLTL references below. Licensed on a Licensed Seat or Floating Licensed Seat basis.
		A. Eclipse Platform: Platform for creation of integrated development environments				See note in Description column re 3rd party contributions in Eclipse See also OO: 217
		B. Eclipse CDT: Platform for creation of C/C++ integrated development environments				See note in Description column re 3rd party contributions in Eclipse See also OO: 217
		Information about 3rd party contributions (and their license terms) for the Eclipse IDE may be referenced from the IDE as follows: "Help -> About QNX Momentics IDE -> Plug-In Details", select each plug-in then "More Info".				
		C. QNX Momentics IDE Components				
		C1. QNX project management: Provides Eclipse project integration to QNX projects				
		C2. QNX debugger integration: Provides Eclipse/CDT debugger integration with QNX gdb debugger (remote via tcp/ip and serial)				
		C3. System builder: Provides an editor for				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		building QNX Neutrino RTOS boot images and filesystems				
		C4. Remote target management: Provides qconn connectivity to the IDE tools				
		C5. Remote target system information tool: Provides System/Process/Thread information from a running target				
		C6. Application profiler: For both real-time and post-mortem analysis				
		C7. Code coverage tool: For both real-time and post-mortem analysis				
		C8. System Profiler: Visualization tool for viewing instrumented kernel log files				
		C9. Memory analysis tool: Visualization tool for viewing allocation/de-allocation patterns from a running process, including leak detection and memory overflow/underflow detection				
		C9.1. Derby Database engine				OO: 208
		C9.2 HSQL Database engine				BSD1: 83
		D. Target Agent: target resource request broker				BSD2:98
		E. Java Virtual Machine				
		E1. Sun JVM (except QNX Neutrino RTOS host)				OO: 207
		E2. AONIX Perc VM (QNX Neutrino RTOS host only)				

3.3 Photon MicroGUI Development Kit

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.2	See 3.1	Development tools, configuration files, static libraries and documentation for creating MicroGUI (Photon) graphical applications.	Object	Type I	Full	QSS QDL, except as noted in any TPLTL references below. Licensed on a Licensed Seat or Floating Seat basis.
		A. Photon Application Builder (PhAB): Visual design and code generation tool for graphical applications.				
		A1. Layout of user interface from palette of components (widgets)				
		A2. Resource editors for controlling the properties of any user interface element (widget, icons, bitmaps, etc.)				
		A3. Automated code generation				
		B. Utilities				BSD2: 57
		C. Photon MicroGUI libraries				
		C1. Graphics				CMU: 10
		C2. Widget				
		C3. Application Builder intrinsics				
		C4. Plug-in libraries (images)				
		D. Photon MicroGUI Application Builder for Windows host operating system — (not available for Solaris or Linux hosts)				
		E. Photon Samples			Unsupported	
		E1. Demos				
		E2. Games				OO: 138

3.5 IBM WebSphere Studio Device Developer

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
5.6 5.7	910108 910199	Eclipse Platform-based tools for the development of Java 2 Micro Edition applications. WebSphere runtime environments for use in application development.	Object	Type III	Limited (Third Party)	IBM PLA Licensed on a per Licensed Seat basis.
		A. Eclipse Platform: Platform for creation of integrated development environments.				
		B. Eclipse work-bench and plug-ins: Tools for embedded Java development.				
		B1. Smart-linker — Java static linker				
		B2. Micro-analyzer — Shows activity on target.				
		B3. On-target debug — Remote debugging support.				
		C. Custom Environment				
		C1. J9 virtual machine				
		C2. Custom configurations				
		D. Micro Environment				
		D1. J9 virtual machine				
		D2. Java 2 Micro Edition compliant runtime configurations				
		Note: Flow-through obligation disallowing sub-setting or super-setting applies to this environment				

4. QNX Neutrino Base Runtime Components

The following tables identify QNX Neutrino RTOS runtime technologies that are bundled for development purposes as part of the QNX Development Suite.

Contact an authorized QNX sales representative for runtime distribution license information.

4.1 QNX Neutrino RTOS Runtime

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.2	070150 (for runtime components)	Standalone OS functionality, allowing either embedded ROM (e.g. Flash) deployment or network booting. Suitable for either sealed device or connected device configurations. Includes the kernel, core facilities (libraries, services), frameworks and Ipv4 networking. In the case of hardware-specific components, third party code is provided to you only for use in association with hardware from that manufacturer.	Object	Type I, except as noted	Full	QSS QDL, except as noted in any TPLTL references below. Runtime Royalty Bearing
		A. Kernel: Provides fundamental IPC, scheduling and process management services.				
		A1. microkernel				
		A2. process manager				
		B. System libraries				BSD1: 84, 85 BSD2: 102, 103, 104, 105, 106, 107, 108, 109, 110, 112, 113, 114 OO: 212, 213. 214, 215
		B1. QNX system library for OS API				BPL: 1; BSD1: 53; BSD2: 62; OO: 30, 82, 84, 202

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		B2. QNX/Dinkum C library				OO: 218
		B3. Dinkum C++ library and template support				OO: 27, 218
		B4. Embedded C++ library and template support (Dinkum abridged library)				OO: 218
		B5. Networking library				BSD1: 20, 57, 72; BSD2: 18; DEC: 9; IBM: 5; ISC: 6; OO: 150, 2, 33, 62, 86
		B6. Compression libraries		Type II		OO: 147, 31
		B7. XML library				
		B8. Encryption libraries				
		B9. Image handling libraries: libraries for reading image formats **N.B. QSS does not offer any 3rd party JPEG patent licenses or related infringement indemnification**		Type III	Unsupported	OO: 47, 48, 49 **No 3rd party patent licenses provided.**
		B10. GNU C++ legacy library: GNU libstdc++ library from previous versions of the QNX Neutrino RTOS, for compatibility		Type III	Unsupported	LGPL
		C. Frameworks: Frameworks for extending the services of the OS. Individual frameworks providing customizable support for specific categories of services.				BSD2: 101, 107, 110, 111 OO: 216
		C1. Core services				
		C2. Facilities & resource manager framework				BPL: 1; BSD1: 53; BSD2: 62; OO: 30, 82, 84
		C3. File systems (fsys)				
		C4. Networking (io-net)				
		C5. Power management (client/driver interfaces)				
		C6. Device Driver interfaces				LGPL – lib/asound only

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
						N.B. Redistribution of devb-* drivers requires payment of Filesystems royalties or purchase of the applicable Flash File System TDK license
		C7. Input and graphics				OO: 131, 132, 134, 136
		C8. Graphics tools				
		C9. USB				
		C10. Printing (updated March 24, 2008)				OO: 27, 48, 137, 232
		C11. Audio (io-audio)				
		C12. Multimedia (Basic)				
		C13. Add-on Interface library				
		C14. Media framework: Media library and convenience library.				
		C15. Media format handlers: au, aiff, avi audio, wav formats				
		C16. Filters and Codecs **N.B. QSS does not offer any third party patent licenses (e.g. media format patents – such as MPEG, Dolby, CSS/DVD, WMA, etc. – or coding patents – such as GSM) or related infringement indemnification for Filters and Codecs.**		Type III	Unsupported	OO: 107, 159, 162 **No 3rd party patent licenses provided.**
		C17. mixer				
		C18. restore				
		C19. file / stream readers				
		C20. output renderers (e.g. Photon window)				
		C21. Sample player (unmodified)				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		D. Hardware Support				OO: 211
		D1. Basic board support packages, and derivative works of BSP source code.				
		D2. Core peripherals, and any drivers associated with base OS frameworks.				
		D3. BSP binaries (see BSP and DDK chart for details)				
		D4. Driver binaries: See BSP and DDK chart for details				
		D5. Graphics				
		D6. Audio				
		D7. Network				
		D8. HID (mice, keyboards, USB)				
		D9. Printers				
		E. Utilities: POSIX command line environment, all POSIX utilities, including shells, file and text manipulation and other utilities.				
		E1. Base utilities: POSIX and QNX Neutrino RTOS utilities.				
		E2. POSIX utilities		Type I		ANU: 12; BSD2: 89; OO: 146, 151, 23
		E3. Other QNX and third-party utilities		Type I (except bzip – Type II)		BSD2: 30, 6, 78, 92, 94; OO: 143, 149, 22, 25, 72
		F. TCP / IP Networking				BSD1: 12, 14, 24, 41, 5, 76, 8; BSD2: 2, 33, 34, 4, 58, 59, 6, 61, 79, 88, 90; DEC: 10; IBM: 5; ISC: 1, 2, 6; OO: 103, 104, 105, 12, 14, 148, 86, 89, 94
		F1. TCP/IP protocol stack (Ipv4): standard NetBSD (v. 1.6) implementation (IP,				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		forwarding, multicast, UDP, TCP, ICMP)				
		F2. PPP client (PPP, PPPoE) & server				ANU: 11, 16, 17, 18, 5, 8; OO: 10, 78, 79, 9
		F3. Dhcp client				BSD1: 26, 27, 28
		F4. Utilities and Services (RPC, telnet, ftpd, telnetd, rshd, inetd, etc.) (updated July 3, 2008)				BSD1: 13, 18, 20, 22, 24, 41, 47, 76, 8, 80; BSD2: 12, 13, 27, 39, 4, 62, 64, 76, 8, 80, 84; DEC: 10; OO: 2, 86, 88, 89
		F5. Remote file systems access (NFS v.2, CIFS, etc.)				ANU: 6, 7, 8; BSD1: 47; OO: 100
		Note: includes encryption software				**Contact QSS for details on specific encryption-enabled utilities.**
		F6. Embedded Networking: Alternative networking options for resource-constrained devices.				
		G. Transparent distributed processing: Transparent distributed processing over IP networks				
		G1. npm-qnet: Qnet protocol module				
		H. Instrumentation: Core (“”SAT”” runtime components) components for the capture, target manipulation, or distribution of instrumentation data (trace information). **Note: “”Instrumented kernel”” means any kernel with instrumentation feature enabled.**				
		H1. Trace utilities				
		H2. Trace libraries				
6.3.x		I. Flash File System: Covers all uses of resilient flash file systems (ffsv3, etfs) and	Object	Type I, except as	Full	QSS QDL, except as noted in any

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		technologies related to their use (inflator, deflator), as well as RAM file systems (“”RAM disk””).		noted below		TPLTL references below. No additional runtime royalty, part of Core OS Runtime
		I.1. Embedded file systems				
		I.2. NAND: Block driver for use of NAND technology flash parts with supported formats.				
		I.3. devf-* (FFSv3): Purpose-specific file systems for NOR technology flash parts.				
		I.4. RAM: Standalone RAM (“”RAM-disk””) file system.				
		I.5. inflator: on-the-fly decompressor				
		I.6. inflator: on-the-fly decompressor				
		I.7. POSIX: POSIX file semantics				

4.2 Mass Storage File System Technology

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.2	010231	File systems for mass storage devices, particularly either rotating media (platter, CD, etc.) or USB mass storage class.	Object	Type I	Full	QSS QDL except as noted in any TPLTL references below. Runtime Royalty Bearing
		A. Block-based file systems:				BSD1: 22; BSD2: 65, 66
		A1. io-block:				
		A2. CD ROM/ DVD (Support for ISO9660 file systems, supporting Rock Ridge extensions and Julliet)				
		A3. DASD / disk				
		A4. USB mass storage				
		A5. disk-on-chip driver				**N.B. This driver may only be used to support M-Systems DiskOnChip flash disks.**
		B. Formats				
		B1. POSIX / QNX4 * (Full POSIX file semantics) * — Exception for limited use: NAND, RAM in conjunction with Flash file systems and Embedding license				
		B2. Linux (Support for EXT2 file system partitions)				
		B3. DOS (Support for FAT12, FAT16 and FAT32 file systems)				
		N.B. QSS does not offer any Microsoft FAT patent licenses or related infringement indemnification.				**No 3rd party patent licenses provided.**
		C. Virtual file systems: Package (Virtual file system, supporting unioning of directories)			Unsupported	

4.3 Photon GUI Technology

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.2	010230	All Photon services, libraries and applications, except for graphics drivers themselves, which are covered by the “”Platform Core”” license.	Object	Type I	Full	QSS QDL, except as noted in any TPLTL references below. Runtime Royalty Bearing.
		A. Base Graphics and Services				
		A1. Basic graphics facilities and services				
		A2. Libraries				CMU: 10
		A3. Font services				OO: 220
		A4. Photon server				
		A5. Window manager				
		A6. Task-bar				
		B. Applications and Services				
		B1. Full-scale embedded graphics for a standalone device				BPL: 8; CMU: 30; OO: 139, 154
		B2. Applications				BSD2: 57
		B3. Utilities (configuration, etc.)				
		B4. All productivity applications (dialer, etc.)				

4.4 Asian Language Technology

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.x	070129	Support for non-European languages, including Unicode font sets, input methods for character composition (for languages with large character sets).	Object	See below.	Full	QSS QDL, except as noted in any TPLTL references below. Runtime Royalty Bearing
		A. Fonts		Type II		
		A1. Japanese Stroke Fonts				
		A2. Chinese Stroke Fonts (Traditional)				
		A3. Chinese Stroke Fonts (Simplified)				
		A4. Chinese Stroke Font (Hong Kong Extension)				
		A5. Korean Stroke Fonts				
		A6. Asian Stroke Font Bundle				
		A7. Japanese Truetype Font Bundle				
		B. Input Methods		Type II		BPL: 8, 11 CMU: 13
		B1. Chinese				OO: 221
		B2. Japanese				OO: 221
		B3. Korean				
		N.B. QSS does not offer any third party patent licenses or related infringement indemnification for Input Methods.				**No third party patent licenses provided**

4.5 Neutrino Advanced Runtime Module

The Neutrino Advanced Runtime Module includes runtime components for incorporating Adaptive Partitioning, Multi-core, Instant Device Activation and/or Extended Networking technologies into a runtime image.

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.2	070151	A. Extended networking technology: Ipv6 and private networking (IPSec, IKE2) technologies. Includes all protocol stacks, utilities and services for the corresponding domains.	Object and source, except as noted below.	Type I, except as noted below.	Full, except as noted below.	QSS QDL, except as noted in any TPLTL references below.
		A1. Ipv6 Networking: Protocol stacks (including source code which is an extension to Platform Source).				BSD2: 62; OO: 87, 42
		A1.1 Stack				
		A1.2 Utilities & Services				BSD1: 20, 72, 76, 79; BSD2: 81, 82; DEC: 10; IBM: 5; ISC: 4, 5
		A2. Secure Private Networking (IPSec) — Protocol stacks (including source code which is an extension to Platform Source).				
		A2.1. Key management utilities				BSD1: 72, 76
		A2.2. Racoon (IKE daemon) N.B. Must be ordered separately.				BSD1: 61 BSD2: 23
		A2.3 Security utilities				
		Note: includes encryption software				Contact QSS for details on specific encryption-enabled utilities.
		A3. Additional Protocols — Streaming transport and control protocol (e.g. streaming media). For applications requiring timely delivery of streamed data (e.g. VoIP).				BSD1: 70; BSD2: 70
		A3.1. SCTP				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		A4. CMU SNMP v1, v2 agent, and others				BSD1: 3, 41, 81, 82; BSD2: 85, 86, 88; CMU: 2, 28; DEC: 10, 11, 13, 14; IBM: 5; ISC: 4; OO: 103, 76, 99
		A4.1. Utilities (runtime component only)				CMU: 14, 17, 18; OO: 101, 102, 96
		A5. EMANATE Lite – SNMP				
		A5.1. SNMP v1, 2, 3 MIB II agent (SRI) – Only includes binary version as provided by QSS	Object	Type III	Limited (Third Party)	BSD2: 100; OO: 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201
1.0.0		B. Adaptive Partitioning Technology: Includes all libraries and utilities for the adaptive partitioning scheduler for all processors.	Object	Type I	Full	QSS QDL, except as noted in any TPLTL references below.
		B.1. Utilities				
		B.2. Library for Adaptive Partitioning Scheduler				
		B.3 Header files for adaptive partitioning programming interface				
1.1.0		C. Multi-Core Technology: Transparent thread scheduling across processors for all multi-core (SMP) processors (i.e. MIPS, PowerPC and x86).	Object	Type I	Full	QSS QDL, except as noted in any TPLTL references below.

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		C1. Multi-core Enabled kernels: Alternate kernel implementations for building embedded system images.				
		C2. Instrumented variants: Multi-core kernels with instrumentation enabled.				
1.0.0		D. Instant Device Activation Technology: Enable instant device activation and device control before QNX kernel has booted. This technology includes additional source code to startup routines as well as sample code illustrating use. CPU targets in 1.0.0 version include PPC, ARM and SH4.	See below.	Type I, unless otherwise noted below.	Limited (Source)	QSS QDL except as provided in any TPLTL references below.
		D1. Source Code				
		D1.1 Source development components required to implement Instant Device Activation (aka 'Minidriver') on all supported target CPUs. This includes header files and startup source code.	Source			
		D1.2 Documentation				
		D1.3 Source code samples specific to BSPs. With version 1.0.0, BSP samples include: Renesas Biscayne, Freescale MPC5200, TI OMAP 5912 and TI DaVinci. Note that this source code is provided as working examples and is not mandatory.	Source	Type III	Limited. Some techniques for interacting with hardware are specific to CPU and BSP and may include source code from CPU vendor. See individual license headers on source files for details.	
		D1.4 Sample source code not specific to BSPs illustrating the techniques of data management and device interaction for	Source			

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		all processors				

4.6 Neutrino Command Line Tools (CLT)

The Neutrino Command Line Tools (CLT) product has been created for customers to redistribute command line tooling as part of their runtime image in certain applications:

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.2	070152	Complete set of development tools, associated configuration files (e.g., header files for APIs), static libraries and documentation for creating applications for the QNX Neutrino RTOS.	Object	Type I, except as noted	Full	QSS QDL, except as noted in any TPLTL references
		A. GNU Tools				GPL
		A1. GNU Compiler Collection (GCC): Complete set of development tools, associated configuration files and static libraries for compiling applications for QNX Neutrino RTOS.				
		A2. GNU binutils: Assembler (gas), Linker (ld) – Tools for manipulation of binary (executable, object) files in development environments.				
		A3. GNU binutils: Assembler (gas), Linker (ld) – Tools for manipulation of binary (executable, object) files in development environments.				
		B. GNU Debugger: GNU debugger (GDB) with remote debugging capability				GPL
		B1. Utilities: Tools used with GDB				OO: 83
		C. Systems libraries and headers				
		C1. QNX system library for OS API				BPL: 1; BSD1: 53; BSD2: 62; OO: 30,82, 84
		C2. Device driver interface: headers and libraries for use with device drivers				LGPL - - lib/asound only
		C3. Legacy libraries: libraries from previous versions of the QNX Neutrino RTOS and Photon GUI Technology				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		C4. QNX/Dinkum C library				
		C5. Dinkum C++ library and template support				OO:27
		C6. Embedded C++ library and template support (Dinkum abridged library)				
		C7. Networking library				BSD1: 20, 57,72; BSD2: 18; DEC: 9; IBM: 5; ISC: 6; OO: 150, 2, 33, 62, 86
		C8. Compression libraries		Type II		OO: 147, 31
		C9. XML library				
		C10. Encryption libraries				Contact QSS at licensing@qnx.com for details on specific encryption-enabling utilities.
		C11. Image handling libraries: libraries for reading image formats. N.B. QSS does not offer any 3rd party JPEG patent licenses or related infringement indemnification.		Type III	Unsupported	OO: 47, 48. 79 **No 3rd party patent licenses provided.**
		C12. GNU C++ legacy library: GNU libstdc ++ library from previous versions of the QNX Neutrino RTOS, for compatibility		Type III	Unsupported	LGPL
		D. Utilities: Command line development tools for object files and executable file manipulation, and utilities tools primarily provided for development purposes.				
		D1. SDK utilities: Tools used for creating applications and boot images				
		D2. QNX development utilities: developer productivity tools				BSD1: 6; BSD2: 30, 78; OO: 142, 57, 58

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		D3. QNX development utilities: self-hosted environment utilities				BSD2: 30, 6, 78, 92, 94; OO: 143, 149. 22, 25, 72
		D4. TCPI/IP Development utilities (rpcgen – only for QNX (self) hosted development)				
		D5. Runtime utilities (See the QNX Neutrino Base Runtime Component tables)				
		D6. GNU Development Utilities: version control and other development services				GPL
		D7. GNU Development Utilities: used in development for data transfer				GPL
		D8. GNU Development Utilities: optional/convenience development tools				GPL
		E. Cross-Hosted Development: Provides complete support for QNX Neutrino RTOS development under either Windows NT (including Windows XP, Windows 2000), Solaris (SPARC), or Linux (Red Hat) operating systems.				
		E1. Windows host environment: Operating environment for development tools				
		F. Processor Support: Provides complete support for developing QNX Neutrino RTOS applications targeting a variety of processor architectures (32 bit MMU).				
		G. Embedding Tools: Provides complete support for creating boot images for embedded devices, based on single-board computers or custom board designs. Adds features for reduced memory footprint on the target device.				
		G1. Target system development utilities				BSD1: 32
		G2. Utilities (mkifs, mkefs, mkimage, mkrec, dumpifs)				
		H. GUI Connectivity: Photon MicroGUI connectivity tools for the development environment (also known as Phindows software)				CMU: 10

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		I. Sample code			Unsupported	
1.1.0		J. Flash File Systems: Resilient file system support for flash media, including support for decompression and compression tools. Resilient to failure, support for NAND or NOR, allows use of POSIX file system modules with flash media (devb-nand). Flash file system support is not required for embedded images (IFS).	Object and source	Type I	Limited (Source)	QSS QDL except as noted in any TPLTL references below.
		J1. Flash file system — Read/write file systems for different flash parts.				
		J2. FFSv3 — NOR flash file system with added resilience features.				
		J3. ETFS— Resilient transactional file system for flash media.				
		J4. Inflator tool — on-the-fly decompressor.				
		J5. Deflator tool — off-line compression utility.				
		J6. BSPs — Source code, binaries and documentation to board support packages for QSS-specified reference designs. The content of each BSP will vary according to the vertical market focus. The BSPs generally include:				
		J61. Board bring-up libraries (IPL, Startup, flash) and headers				
		J6.2. Embedding Source				
		J6.3. Source code to board bring-up libraries				
		J6.4. Source code to driver libraries				
		J6.5. Validation environments — Source code and pre-compiled debug versions of board support packages for QNX reference platforms.				
		BSP-specific information is provided in the QNX Neutrino Board Support Package tables below.				
1.0.1		K. High Availability: Source code to the QNX critical process monitor (HAM) and guardian, for	Source	Type I	Limited (Source)	QSS QDL, except as provided in any

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		tailoring to specific OEM use. Supersedes HA Customization Kit. Pre-compiled runtime binaries are included with a Development Seat for the QNX Development Suite.				TPLTL references below.
		K1. Development components and documentation required to write a critical process monitor for managing service/application availability				
		K2. Headers and libraries				
		K3. Documentation				
		K4. Regression tests				
		K5. Source code to HA manager CPM, and associated components				
		K6. HA manager				
		K7. Guardian				
		K8. Client connection library (recovery)				

4.7 Neutrino x86 Runtime Kit

The Neutrino x86 Runtime Kit provides a single installation CD for performing installs of the QNX Neutrino RTOS on a wide variety of x86 hardware platforms. This provides an off-the-shelf configuration that directly supports end users and simplifies deployment for Value Added Resellers (VARs) and System Integrators (Sis). The use of Neutrino x86 Runtime Kit is governed by the terms and conditions of the QNX Neutrino Runtime End User License Agreement ("CDEULA") which can be found at http://licensing.qnx.com/cdeula. The kits include a collection of runtime technologies as described below:

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
6.3.2		The Neutrino x86 Runtime Kits are available in the following configurations. They include x86 components of:	Object	Type I, except as noted below	Full, except as noted below	QSS CDEULA, except as noted below Runtime Royalty Bearing
	910350	A. QNX Neutrino RTOS Runtime (see description in section 4.1)				
	901351	B1. QNX Neutrino RTOS Runtime (see description in section 4.1)				
		B2. IBM WebSphere Custom Environment (see description in section 4.8 A)		Type II	Limited (Third Party)	
	910352	C1. QNX Neutrino RTOS Runtime (see description in section 4.1)				
		C2. Voyager 2 with ACCESS Netfront technology (Netfront HTML 4.01 server)		Type II	Limited (Third Party)	OO: 47, 48, 152
	910353	D1. QNX Neutrino RTOS Runtime (see description in section 4.1)				
		D2. IBM WebSphere Custom Environment (see description in section 4.8 A)		Type II	Limited (Third Party)	
		D3. Voyager 2 with ACCESS Netfront technology (Netfront HTML 4.01 server)		Type II	Limited (Third Party)	OO: 47, 48, 152
	910354	E1. QNX Neutrino RTOS Runtime (see description in section 4.1)				
		E2. Neutrino Advanced Runtime Module (see description in section 4.5)				

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
	910355	F1. QNX Neutrino RTOS Runtime (see description in section 4.1)				
		F2. Neutrino Advanced Runtime Module (see description in section 4.5)				
		F3. IBM WebSphere Custom Environment (see description in section 4.8 A)		Type II	Limited (Third Party)	
	910356	G1. QNX Neutrino RTOS Runtime (see description in section 4.1)				
		G2. Neutrino Advanced Runtime Module (see description in section 4.5)				
		G3. Voyager 2 with ACCESS Netfront technology (Netfront HTML 4.01 server)		Type II	Limited (Third Party)	OO: 47, 48, 152
	910357	H1. QNX Neutrino RTOS Runtime (see description in section 4.1)				
		H2. Neutrino Advanced Runtime Module (see description in section 4.5)				
		H3. IBM WebSphere Custom Environment (see description in section 4.8 A)		Type II	Limited (Third Party)	
		H4. Voyager 2 with ACCESS Netfront technology (Netfront HTML 4.01 server		Type II	Limited (Third Party)	OO: 47, 48, 152

4.8 IBM WebSphere

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		Runtime environment, providing support for standard Java applications and applets. Support is provided for both Java 2 Micro Edition compliant configurations and custom configurations, based on a subset of the Java 2 Standard Edition specifications. Refer to availability for particular J2ME configurations and profiles supported. Refer to Sun Java Community Process for configuration and profile definitions.	Object	Type II	Limited (Third Party)	QSS QDL, except as noted in any TPLTL references below. Runtime Royalty Bearing.
5.x	010258	A. Custom Environment				
		A1. J9 virtual machine				
		A2. Custom configurations				
5.x	010257	B. Micro Environment				
		B1. J9 virtual machine				
		B2. Java 2 Micro Edition compliant runtime configurations N.B. Sub-setting or super-setting is not allowed in this environment.				
		B3. Services Management Framework (SMF)				

5. QNX Aviage Middleware Products

QNX Aviage is a portfolio of middleware products that help customers develop applications quickly. The Aviage product line provides a set of software building blocks that work in conjunction with the QNX Neutrino RTOS and the QNX Momentics Development Suite.

In addition to the QDL, these products may be subject to supplemental QSS licensing terms, as indicated in the relevant product tables. Your signature may be required as evidence of acceptance of these supplemental licensing terms.

5.1 QNX Aviage HMI Player for Adobe Flash Lite 3 (updated July 3, 2008)

The QNX Aviage HMI player for Adobe Flash Lite 3 provides a system integrator with the ability to render Flash content and interact with Flash content using input devices. The HMI Player is built from a licensed source base from Adobe Systems Incorporated and can therefore be certified using the Adobe Acceptance Test Suite to ensure conformance to Flash standards. Support includes audio output, FLV playback using licensed codecs, socket support and optimized font rendering.

Contains Adobe® Flash® Lite™ technology by Adobe Systems Incorporated. This product, QNX Aviage HMI Player for Adobe Flash Lite 3 contains Adobe Flash Player software under license from Adobe Systems Incorporated, Copyright © 1995-2008 Adobe Macromedia Software LLC. All rights reserved. Adobe and Flash are trademarks of Adobe Systems Incorporated.

Version Number	Part Number(s)	Description and Additional Licensing Terms	Code Provided	Type of Software	Support Provided	End-User Licenses
1.1	910384 (development) 910385 (partner) 010304 (runtime)	Provides playback of Adobe Flash Lite 3 and compatible content including audio and FLV movies. Provides mechanisms for input (mouse/touch). Consists of a Flash Player launcher and Flash Player render library. The Flash Player launcher loads and runs the Flash Player library. The QNX Aviage HMI Player includes binaries targeting x86, ARM, SHLE and PPCBE CPUs.	Object	Type II	Full	QSS QDL, subject to the additional licensing restrictions noted in the Description column. Runtime Royalty Bearing. Licensed on a Project basis for commercial development.
		A. Flash Player launcher (loads and runs Flash Player library)				

Version Number	Part Number(s)	Description and Additional Licensing Terms	Code Provided	Type of Software	Support Provided	End-User Licenses
		B. Flash Player render library (shared object)				
		B1. on2 codec (FLV playback)				
		B2. Sorenson codec (FLV playback)				
		License Restrictions. Notwithstanding anything to the contrary in the QDL, the following terms apply to the QNX Aviage HMI Player for Adobe Flash Lite 3 (the "Flash Software"):				
		1. The Flash Software contains 4 binaries targeting 4 different CPUs. You may use only one (1) binary on one (1) Target System per License Key or Floating License Key.				
		2. You may not use the Flash Software for real time or live broadcasts.				
		3. You may not distribute the Flash Software to any third party, and not restricting the generality of the foregoing, you may not share or distribute the Flash Software as contemplated in section 4 of the QDL.				
		4. You may not modify or create derivative works of the Flash Software.				
		5. The Flash Software is certified by Adobe Systems for specific CPUs for stand-alone applications, namely, devices for which the device manufacturer controls the content to be played by the device. If you are deploying a system which can access Flash content generally, such a system will require further certification. Further certification may be required if you deploy on a CPU variant. Contact QSS for details.				

5.2 QNX Aviage Multimedia Suite (Updated December 3, 2007)

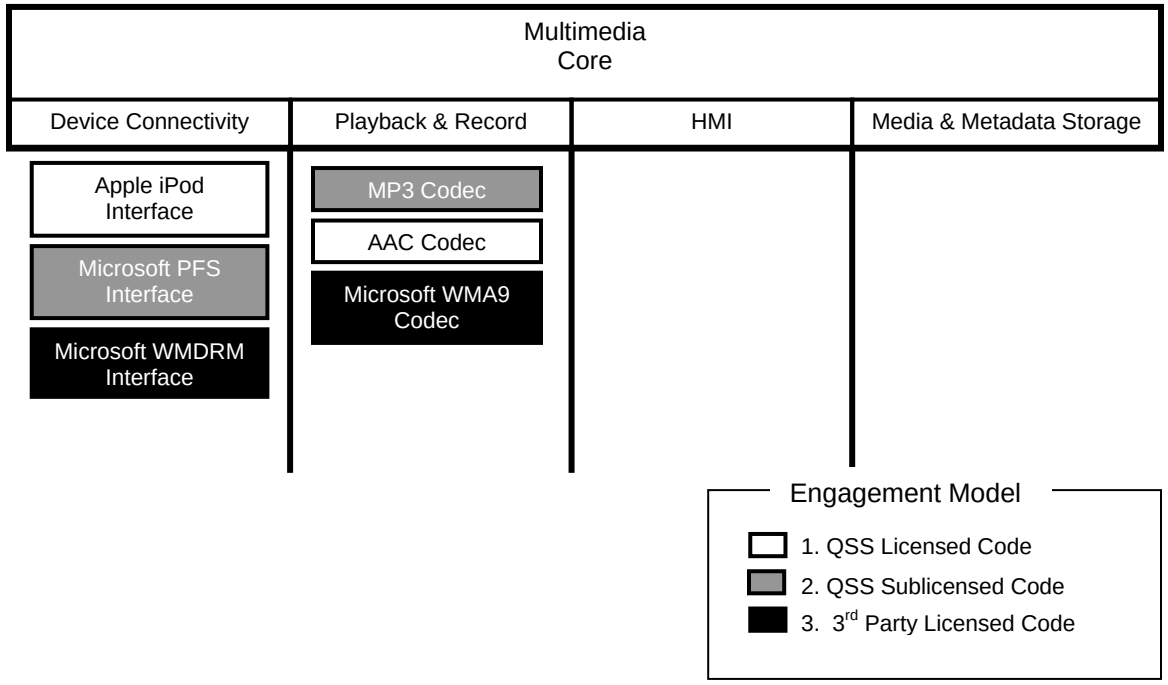
5.2.1 QNX Aviage Multimedia Suite – Introduction & Software Packaging Overview

The QNX Aviage Multimedia Suite is made up of a number of components that can be assembled into a final digital multimedia product.

Customers can select a set of components based on:
- the specific product features they want to implement; and
- the hardware platform they have selected.

Since QSS implements these components using a variety of QSS proprietary, open source and third party technologies, the software licensing and delivery arrangements can vary by component. This section provides License Guide details for the components, as well as a separate Licensing Considerations Matrix below.

The following Figure provides a simplified overview of the relationship of the current QNX Aviage Multimedia Suite software packages.



The QNX Aviage Multimedia Suite components are separately packaged into one of the following product categories:

Multimedia Core – This component provides the overall control and sequencing of the various multimedia components, as well as identification, data access and storage of digital media and associated metadata. The Multimedia Core provides a base set of software features that can be extended by a number of optional components in the following categories:

Device Connectivity – components in this category provide interfaces to external intelligent devices, such as media players.

Playback and Record – components in this category provide the software and/or hardware needed to encode or decode various digital media formats.

HMI – components in this category allow developers to extend the multimedia player's Human Machine Interface (HMI).

Media and Metadata Storage – components in this category provide additional software and data to help identify and organize digital media content.

5.2.2. QNX Aviage Multimedia Suite – Engagement Models & Licensing Considerations Matrix

The QNX Aviage Multimedia Suite integrates a variety of QSS proprietary, open source and third party technologies in order to deliver a broad range of multimedia capabilities to embedded developers. In order to develop and ship devices that offer such functionality it is necessary to understand the various technology and content stakeholders and how to obtain the requisite intellectual property license rights. This can be a complicated picture. It will depend on a number of factors, including the device's capabilities, its intended use(s), and the markets in which the device is to be manufactured, distributed and sold.

The information in this License Guide is not intended to be a comprehensive guide to multimedia licensing. It provides an explanation of the license rights being offered by QSS, and other third party licensing considerations that QSS is aware of, that may impact the development of QNX Aviage Multimedia Suite-based embedded devices. None of this information should be construed as legal advice. Customers must consult their own legal advisors to determine and satisfy their own licensing obligations. Please note that no attempt has been made to identify any of the multimedia content licensing considerations that may need to be taken into account.

To simplify the explanation, QSS has broken the QNX Aviage Multimedia Suite components down into the 3 following types of engagement models:

1. **QSS Licensed Code** – Most of the QNX Aviage Multimedia Suite is QSS authored code. QSS licenses all of its intellectual property rights to this type of software to QNX Aviage Multimedia Suite customers as part of the standard QSS license agreements described at the beginning of this License Guide. QSS Licensed Code is primarily written by QSS; however, it may include elements of open source software (as noted below), may embody confidential third party specifications, and may embody or enable patented functionality. As a result, depending on the QNX Aviage Multimedia Suite components chosen, there may be other licensing considerations to take into account (e.g., to obtain requisite patent license rights – as in the case of the QSS authored AAC Codec; or to obtain the right to use confidential specifications embodied in the QSS code – as in the case of the QSS authored Apple iPod Interface). The third party licensing requirements known to QSS are further described in the Licensing Considerations Matrix below.

2. **QSS Sublicensed Code** – Some components of the QNX Aviage Multimedia Suite contain primarily 3rd party code licensed by QSS, which may have been modified or supplemented by QSS to make is suitable for use in the QNX Aviage Multimedia Suite. To the extent permitted by its 3rd party license, QSS sub-licenses its intellectual property license rights to this type of software to QNX Aviage Multimedia Suite customers as part of the standard QSS license agreements described above. Any deviations from QSS standard development license terms are identified in the tables below and/or in a special supplement to QSS' OEM License Agreement. As with QSS Licensed Code, any QSS rights in QSS Sublicensed Code are licensed by QSS under the standard QSS license agreements. Also, there may be additional licensing considerations to be taken into account. Those known to QSS are described in the Licensing Considerations Matrix below.

3. **3rd Party Licensed Code** – These are other components of the QNX Aviage Multimedia Suite that contain primarily 3rd party code licensed by QSS, which also may have been modified or supplemented by QSS to make it suitable for use in the QNX Aviage Multimedia Suite. However, unlike QSS Sublicensed Code, 3rd Party Code must be licensed directly from another technology supplier (any QSS rights, or sub-licensable rights, in 3rd Party Code are licensed/sublicensed by QSS under the standard QSS license agreements). For example, while QSS delivers a QNX version of the Microsoft WMA9 Media Player software codec, customers must first license the original code directly from Microsoft. In another example, while QSS sublicenses modified 3rd party code to interface to certain Digital Signal Processor (DSP)-based media processors (i.e., typically used for audio and video encode/decode capabilities), the software embedded on the DSP hardware itself must be licensed from the DSP vendor.

   QSS may have limited rights to provide 3rd Party Code to customers for demonstration, evaluation, prototype development and/or field trials. However, in most cases QSS may not deliver its ported 3rd party or integration code for commercial development or distribution until it has confirmed the intended licensee has its own direct license in place.

The following Licensing Considerations Matrix summarizes the QNX software licensing dependencies, license engagement model, primary technology stakeholder, and licensing □ulfillment considerations for each QNX Aviage Multimedia Suite component. Also see the QNX Multimedia Engine – Component Details below for the usual detailed License Guide information, including End User License particulars.

Product	Prerequisite Products	Engagement Model	Primary Owner of Technology	Product Delivered by	Additional Licensing Fulfilment Considerations
Multimedia Core Products					
QNX Aviage Multimedia Core	None	1	QSS	QSS	
Device Connectivity Products					
QNX Aviage Multimedia Interface for iPod	Multimedia Core (see exceptions in Note #1 below)	1	QSS	QSS (separate package & delivery)	QSS licenses its Apple iPod Interface module rights under the QSS QDL. Apple licenses their iPod interface technology (upon which the Apple iPod Interface module is

					based) directly to customers (see http://developer.apple.com/ipod/accessories.html) QSS may not deliver its Apple iPod Interface module until customers provide proof of their own Made for iPod License Agreement. QSS may be required to identify customers and their projects to Apple.
QNX Aviage Multimedia Interface for PlaysforSure	Multimedia Core (see exceptions in Note #1 below)	2	Microsoft	QSS (separate package & delivery)	
QNX Aviage Multimedia Interface for WMDRM10-ND	Multimedia Core + Microsoft PlaysForSure Interface + Multimedia Software Codec for WMA9	3	Microsoft This product includes technology owned by Microsoft and cannot be used or distributed further without a license from Microsoft.	QSS (separate package & delivery)	Microsoft licenses their WMDRM technology directly to customers (see http://www.microsoft.com/windows/windowsmedia/licensing/Licensing_DRM_Chips.aspx). QSS licenses its Microsoft WMDRM Interface rights under the QSS QDL. QSS may not deliver its Microsoft WMDRM Interface module until customers provide proof of their own WDRM10 For Devices Final Product Distribution Agreement. QSS may be required to identify customers and their projects to Microsoft.
Record and Playback Products					
QNX Aviage Multimedia Software Codec for WMA9	Multimedia Core	3	Microsoft This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from Microsoft Licensing, GP.	QSS (separate package & delivery)	Microsoft licenses their WMA9 technology directly to customers (see http://www.microsoft.com/windows/windowsmedia/licensing/distribute.aspx). QSS licenses its Microsoft WMDRM Interface rights under the QSS QDL. QSS may not deliver its Microsoft WMA9 Software Codec module until customers provide proof of their own Windows Media Format Component Distribution Agreement. QSS may be required to identify customers and their projects to Microsoft.

QNX Aviage Multimedia Software Codec for MP3 (MP3 Audio – ISO-11172, Layer 1,2,3)	Multimedia Core	2	Fixed Point – Thomson; Floating Point – Xing	QSS (separate package & delivery)	QSS may not deliver its MP3 Software Codec until customers provide proof of license from Thompson Licensing S.A. QSS may be required to identify customers and their projects to Thompson. Customers may require patent rights from other entities, including some who are not actively enforcing their rights.
QNX Aviage Multimedia Software Codec for AAC	Multimedia Core	1	QSS	QSS (separate package & delivery)	Certain third parties claim patent rights in the AAC Codec technology and a patent license may be required for the creation of an end user product.

5.2.3 QNX Aviage Multimedia Suite – Component Details

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
Multimedia Core Products						
1.0.0	910358 (development) 010287 (runtime)	A. **QNX Aviage Multimedia Core** The Multimedia Core provides the overall control and sequencing of the multimedia experience including identification of digital media source and content, organization and selection of digital content based on metadata and rendering of the digital content. The core includes: • APIs for building a customized Audio player/recorder and Digital Jukebox	Object	Type I, except as noted below.	Full	QSS QDL, except as noted in any TPLTL references or other notes below. Licensed on a Project basis for commercial development. Runtime royalty bearing. **No third party**

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		• Extendable databases • High performance filesystems (io-fs): RAM and expandability for iPod and PFS • High-level HMIs for command and control • OggVorbis audio decoder and encoder (see release notes for target support) • M4A / MP4 parser (to work with either AAC Software decoder or AAC DSP decode) • Support for following processor architectures: ARMLE, SHLE, PPCBE, X86 **N.B. QSS does not offer any third party patent licenses or related infringement indemnification for this software.**				**patent licenses provided.** TPLTL references: BSD1: 86 OO: 107, 159, 162, 216, 222, 230, 231 MPL: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11
Device Connectivity Components						
1.0.0	910359 (development) 010294 (runtime, only applicable under Note #1 conditions)	B. **QNX Aviage Multimedia Interface for iPod** The Apple iPod Interface provides the communications protocols necessary for control and playback on Apple iPod devices. • Support for iAP (iPod Access Protocol – see product documentation for specifics) • Command and control through serialized interface (e.g. serial port or usb serial class driver) and analog audio appears on output (at Omni connector on bottom of iPod) • Supported devices include: 3G ver2.0, mini ver 1.0, 4G ver2.0, photo ver1.0, nano ver1.0, 5G ver1.0 (see product documentation for extended set) • Support Apple iPod: Authentication IC o iPod USB direct connect (2 wire	Object	Type I	Full	QSS QDL See Apple iPod license prerequisites above & License Restrictions below. Licensed on a Project basis for commercial development. Runtime royalty bearing. **No third party patent licenses provided.**

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		special cable with authentication IC) dual wire solution using IC embedded in cable (or on mainboard) that provides authentication o support a reference design that has authentication IC with 2-wire (usb command+control, analog output) • Support for following processor architectures: ARMLE, SHLE, PPCBE, X86 **License Restrictions.** Notwithstanding anything to the contrary in the QSS QDL, the following terms apply to the QNX Aviage Multimedia Interface for iPod (the "iPod Interface Software"): 1. The iPod Interface Software is only available on the terms described in the Licensing Considerations Matrix above. 2. Your use of the iPod Interface Software is subject to all terms and conditions of your Made for iPod License. 3. As a result of 2., and not restricting the generality of the foregoing, you may not share or distribute the iPod Interface Software as contemplated under the QSS QDL. 4. Your QSS QDL rights to the iPod Interface Software will end upon termination of your Made for iPod License for any reason. 5. **N.B. QSS does not offer any third party patent licenses or related infringement indemnification for this software.**				
1.0.0	910360 (development)	C. **QNX Aviage Multimedia Interface for**	Object	Type III	Full	QSS QDL, except as noted below.

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
	010289 (runtime, only applicable under Note #1 conditions)	**PlaysForSure** The Microsoft PlaysForSure Interface provides the communications protocols necessary for content query and digital file retrieval from Microsoft PlaysForSure certified devices. • Support for Media Transfer Protocol (see product documentation for MTP version(s)) • Only PlaysForSure devices that support 'Get Partial Object' are supported. Devices that only support 'Get Full Object' are not supported • Read-only • Support for following processor architectures: ARMLE, SHLE, PPCBE, X86 **N.B. QSS does not offer any third party patent licenses or related infringement indemnification for this software.**				Licensed on a Project basis for commercial development. Runtime royalty bearing. **No third party patent licenses provided.**
1.0.0	910361 (development) 010296 (runtime)	D. **QNX Aviage Multimedia Interface for WMDRM10-ND** The Microsoft WMDRM10-ND Interface provides the Digital Rights Management (DRM) software that can be used in conjunction with Microsoft PlaysForSure certified devices. • Support for Windows Media DRM 10 for Network Devices (WMDRM10-ND) in Receiver mode **License Restrictions**. Notwithstanding anything to the contrary in the QSS QDL, the following terms apply to the QNX Aviage Multimedia Interface for WMDRM10-ND (the "WMDRM10 Interface Software"): 1. The WMDRM10 Interface Software is only	Object	Type III	Full	QSS QDL, except as noted in any TPLTL references or other notes below. See Microsoft WMDRM10 license prerequisites above & License Restrictions below. Licensed on a Project basis for commercial development. Runtime royalty bearing.

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		available on the terms described in the Licensing Considerations Matrix above. 2. Your use of the WMDRM10 Interface Software is also subject to all terms and conditions of your WDRM10 For Devices Final Product Distribution Agreement. 3. As a result of 2., and not restricting the generality of the foregoing, you may not share or distribute the WMDRM10 Interface Software as contemplated under the QSS QDL. 4. Your QSS QDL rights to the WMDRM10 Interface Software will end upon termination of your WDRM10 For Devices Final Product Distribution Agreement for any reason. **5. N.B. QSS does not offer any third party patent licenses or related infringement indemnification for this software.**				**No third party patent licenses provided.** TPLTL reference: OO: 215
Record and Playback Components						

1.0.0	910362 (development)
	
	010293 (runtime)
		E. **QNX Aviage Multimedia Software Codec for MP3**
		
		The MP3 Software Code component provides software decode for MP3 audio files and streams. MP3 Standard (ISO-11172 Layer 1,2,3) software decoder
		
		• Floating point for all processors, fixed point available for ARMLE
		• MPEG-2 Audio Layer 1,2,3 (ISO-13818) decode
		  o Floating point
		• MPEG-2.5 decode
		  o Floating point
		• MPEG Surround decode (in legacy mode)
		  o Floating point
			Object	Type II	Full	QSS QDL, except as noted.
						
						See Thompson license prerequisites above & License Restrictions below.
						
						Licensed on a Project basis for commercial development.
						
						Runtime royalty bearing.
						
						No third party patent licenses

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		• ID3v1, ID3v22, ID3v23, ID3v24 o Including album art • VBR and CBR, mono and two-channel stereo • Support for sample frequencies of 48, 44.1 and 32 KHz • Support for following processor architectures: ARMLE, SHLE, PPCBE, X86 **License Restrictions.** Notwithstanding anything to the contrary in the QSS QDL, the following terms apply to the QNX Aviage Multimedia Software Codec for MP3 (the "MP3 Software"): 0. MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson. 1. The MP3 Software is only available on the terms described in the Licensing Considerations Matrix above. 2. QSS licenses you to install one instance of the MP3 Codec for use as an end user. 3. Any further use of the MP3 Codec is also subject to all terms and conditions of your license from Thomson. 4. As a result of 3, and not restricting the generality of the foregoing, you may not share or distribute the MP3 Codec as contemplated under the QSS QDL. 5. Supply of this product does not convey a license nor imply any right to distribute content created with this product in revenue-generating broadcast systems (terrestrial, satellite, cable and/or other distribution channels), streaming applications (via internet, intranets and/or other networks), other content distribution systems (pay-audio or audio-on –demand applications and the like) or on physical media				**provided.**

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		(compact discs, digital versatile discs, semiconductor chips, hard drives, memory cards and the like). An independent license for such use is required. For details, please visit http://mp3licensing.com. 6. **N.B. QSS does not offer any third party patent licenses or related infringement indemnification for this software.**				
1.0.0	910363 (development) 010291 (runtime)	F. **QNX Aviage Multimedia Software Codec for AAC** The AAC Software Codec component provides software decode for Advanced Audio Coding format files and streams. • AAC-LC Software decoder • Supports MPEG-2 Part 7 AAC (formerly ISO/IEC 13818-7) and MPEG-4 part -3 (ISO/IEC 14496-3) • Fully compliant to ISO/IEC -14496 part -4 (Accuracy compliance) • Floating point • Number of channels -2 • Modes: Stereo, Joint stereo (intensity stereo), dual channel, mono • Sampling frequencies: 8 – 96 KHz (8,11.025,12,16,22.05,24,32,44.1,48, 64,88.2,96) • M4A/MP4 parser is in the Core package • Support for following processor architectures: ARMLE, SHLE, PPCBE, X86 **License Restrictions**. Notwithstanding anything to the contrary in the QSS QDL, the following terms apply to the QNX Aviage Multimedia Software Codec for AAC (the "AAC Codec"): 1. The AAC Codec is only available on the	Object	Type II	Full	QSS QDL, except as noted in any TPLTL references or other notes below. See VIA Technologies license prerequisites above & License Restrictions below. Licensed on a Project basis for commercial development. Runtime royalty bearing. **No third party patent licenses provided.** TPLTL reference: OO: 214. 223. 224, 225, 226, 227, 228, 229

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		terms described in the Licensing Considerations Matrix above. 2. The AAC Codec package contains 4 binaries targeting 4 different CPUs. You may use only one (1) binary on one (1) Target System per License Key or Floating License Key. 3. You may not share or distribute the AAC Codec as contemplated under the QSS QDL. **4. N.B. QSS does not offer any third party patent licenses or related infringement indemnification for this software.**				

1.0.0	910364 (development)
	
	010292 (runtime)
		G. **QNX Aviage Multimedia Software Codec for WMA9**
		
		The WMA9 Software Codec component provides software decode for Microsoft Windows Media Audio 9 format files and streams.
		
		• WMA9 Standard software decoder
		  o Floating and fixed point
		• WMA9 Lossless decode
		  o Floating and fixed point
		• VBR and CBR, mono and two-channel stereo
		• 44.1 and 48 KHz, with bitrates ranging from 64 to 128 Kbps
		• WMA, ASF parsing including album art
		• Support for following processor architectures: ARMLE, SHLE, PPCBE, X86
		
		License Restrictions. Notwithstanding anything to the contrary in the QSS QDL, the following terms apply to the QNX Aviage Multimedia Software Codec for WMA9 (the "WMA9 Codec Software"):
		
		1. The WMA9 Codec Software is only available
			Object	Type III	Full	QSS QDL
						
						See Microsoft WMA9 license prerequisites above & License Restrictions below.
						
						Licensed on a Project basis for commercial development.
						
						Runtime royalty bearing.
						
						No third party patent licenses provided.

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
		on the terms described in the Licensing Considerations Matrix above. 2. Your use of the WMA9 Codec Software is also subject to all terms and conditions of your Windows Media Format Component Distribution Agreement. 3. As a result of 2., and not restricting the generality of the foregoing, you may not share or distribute the WMA9 Codec Software as contemplated under the QSS QDL. 4. Your QSS QDL rights to the WMA9 Codec Software will end upon termination of your Windows Media Format Component Distribution Agreement for any reason. **5. N.B. QSS does not offer any third party patent licenses or related infringement indemnification for this software.**				

Media and Metadata Storage Components

A number of multimedia ecosystem partners will have technology that can easily be integrated in to the QNX Aviage Multimedia Suite. These technologies will have specific licensing terms that should be considered outside of the QNX Aviage Multimedia Suite and will be delivered through QSS Custom Engineering.

Note #1:

The Multimedia Core (runtime part # 010287) is required except if a customer wishes to use either or both of the Apple iPod interface or the Microsoft PlaysForSure interface as filesystems on their own, rather than using them in association with the Multimedia core component. For example, the customer may have their own media management software and their own decoding software and therefore don't want to use Multimedia core for these functions. In these cases, use and distribution of either the Apple iPod interface or the Microsoft PlaysForSure interface will require the licensing of a runtime part number along with possible additional royalties.

5.3 QNX Aviage Acoustic Processing Kit (updated June 27, 2008) (includes both development tool and runtime components)

Version Number	Part Number(s)	Description	Code Provided	Type of Software	Support Provided	End-User Licenses
1.2	910386 010290	Acoustic echo cancellation & noise suppression package for in-car handsfree speech applications. Floating point, integer and DSP versions included. Supported target CPUs variants of: SH4, PPC, ARM9, and TI 64xx DSP.	Object	Type I	Full	QSS QDL, except as noted in any TPLTL references below. Licensed on a Project basis for commercial development. Runtime royalty bearing.
		A. Acoustic Processing Library A.1 Multi-channel Acoustic Echo Cancellation and Noise Suppression A.2 Smart Software Automatic Gain Control A.3 Send Parametric Equalization A.4 High-frequency encoding A.5 Wind buffet suppression A.6 Send Dynamic Limiter A.7 Diagnostic module A.8 QWALive graphical control tool A.9 Dual channel complex mixer A.10 Receive Parametric Equalization A.11 Receive Noise Compensation A.12 Receive Automatic Gain Control A.13 Receive Dynamic Level Control A.14 Receive Bandwidth Extension A.15 Receive Dynamic Limiter				
		B. Documentation, including sample code				

6. QNX Board Support Packages and Driver Development Kits

QNX Development Suite licensees are entitled to download QNX Board Support Packages ("BSPs") and Driver Development Kits ("DDKs") for use in association with the QNX Neutrino RTOS. These BSPs and DDKs were originally packaged and released under various versions of the former Momentics End User License Agreement ("MEULA") and their associated License Guides. As new versions of these software packages are released, they will be integrated into the current QNX Development Licenses. Until then, please refer to the appropriate MEULA, License Guide and Third Party License Terms List, as indicated below, for the relevant licensing details. Copies of all these documents are available at http://licensing.qnx.com/archive/.

Board Support Packages that have an asterisk (*) beside their name are Reference Platforms, as defined in the QDLs.

Product	Version	Applicable License	Applicable License Guide	Applicable Third Party License Terms List
Driver Development Kits				
Audio Driver Development Kit	6.3.0	meula 1_05	QDSLG1_05	TPOSLTG1_05
Character Driver Development Kit	6.3.0 SP1	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
Graphics Driver Development Kit	6.3.0	meula 1_05	QDSLG1_05	TPOSLTG1_05
Input Driver Development Kit	6.3.0	meula 1_05	QDSLG1_05	TPOSLTG1_05
Network Drive Development Kit	6.3.0	meula 1_05	QDSLG1_05	TPOSLTG1_05
USB Driver Development Kit	6.3.0	meula 1_05	QDSLG1_05	TPOSLTG1_05
Board Support Packages				
BSP for AMD Geode LX DB880	1.0.0	meula1_05d	QDSLG1_05d	TPOSLTG1_05d
BSP for AMCC PPC440 1.0.0	1.0.0	meula1_05d	QDSLG1_05d	TPOSLTG1_05d
BSP for ARM Integrator *	6.3.x	meula 1_05	QDSLG1_05	TPOSLTG1_05
BSP for Broadcom BCM12xx and BCM14xx	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Broadcom BCM91250 and BCM91125	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Broadcom BCM91x80 BSP *	1.0.0	meula1_05c	QDSLG1_05c	TPOSLTG1_05c
BSP for Centrality Atlas II BSP	1.0.0	meula1_05d	QDSLG1_05d	TPOSLTG1_05d
BSP for Freescale CDS MPC8541	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale CDS MPC85xx BSP	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale CDS MPC85xx BSP *	1.0.1	meula1_05c	QDSLG1_05c	TPOSLTG1_05c
BSP for Freescale i.MX31 BSP	1.0.0	meula1_05c	QDSLG1_05c	TPOSLTG1_05c
BSP for Freescale Lite5200B and Media5200	1.0.1	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for Freescale Lite5200B and Media5200	1.0.2	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale Lite5200B and Media5200	1.0.3	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale Lite5200B and Media5200 *	1.0.4	meula1_05c	QDSLG1_05c	TPOSLTG1_05c

Product	Version	Applicable License	Applicable License Guide	Applicable Third Party License Terms List
BSP for Freescale Lite5200B	1.0.3	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale Media5200	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale MPC8260 ADS	6.3.x	meula 1_05	QDSLG1_05	TPOSLTG1_05
BSP for Freescale MPC8349 MDS	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale MPC8360E MDS	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale MPC85x0 ADS	1.0.1	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale MPC85x0 ADS	1.0.2	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for Freescale PQ2FADS	1.0.1	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale PQ2FADS	1.0.2	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for Freescale Sandpoint	1.0.1	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Freescale Total5200 and Lite5200EVB	1.0.1	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for Freescale Total5200 and Lite5200EVB	1.0.2	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for IBM PPC405	1.0.0	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for IBM PPC440	1.0.0	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for Intel DBPXA250DP	6.3.x	meula 1_05	QDSLG1_05	TPOSLTG1_05
BSP for Intel DBPXA270DP	1.0.0	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for Intel IXDP2351 ADP	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Intel IXDP2800 (ARM)	1.0.1	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Intel IXDP2800 (ARM)	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Intel IXDP425	1.0.1	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Intel IXDP465	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Marvell MV64460	1.0.0	meula1_05d	QDSLG1_05d	TPOSLTG1_05d
BSP for NEC Malta	6.3.x	meula 1_05	QDSLG1_05	TPOSLTG1_05
BSP for PMC-Sierra RM9150	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Renesas Big Sur-Amanda	1.0.1	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Renesas BigSur Amanda (SH4)	1.0.0	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for Renesas Biscayne	1.0.1	meula1_05a	QDSLG1_05a	TPOSLTG1_05a
BSP for Renesas EDOSK 7780	1.0.0	meula1_05c	QDSLG1_05c	TPOSLTG1_05c
BSP for Renesas EDOSK7780 *	1.1.0	meula1_05d	QDSLG1_05d	TPOSLTG1_05d
BSP for Renesas Lanbic	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Renesas Lanbic	1.1.0	meula1_05d	QDSLG1_05d	TPOSLTG1_05d
BSP for Renesas SDK7785	1.0.0	meula1_05d	QDSLG1_05d	TPOSLTG1_05d
BSP for Renesas Sequoia7397	1.0.0	meula1_05d	QDSLG1_05d	TPOSLTG1_05d
BSP for Renesas SystemH	1.0.1	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for TI DaVinci	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for TI Jacinto	1.0.0	meula1_05e	QDSLG1_05d	TPOSLTG1_05b
BSP for TI OMAP 5905 OSK	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for TI OMAP 5912 OSK	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b

Product	Version	Applicable License	Applicable License Guide	Applicable Third Party License Terms List
BSP for X86-BIOS *	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Xilinx Virtex-4 ML403	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b
BSP for Xilinx Virtex-II Pro ML300	1.0.0	meula1_05b	QDSLG1_05b	TPOSLTG1_05b

7. Export/Import Information

This QNX Development Suite may not be transferred to: (i) any country prohibited by United States and/or Canadian laws and regulations (presently including Cuba, Iran, Iraq, Libya, Myanmar (Burma), North Korea, Sudan and Syria); (ii) any person or entity prohibited from receiving United States and/or Canadian exports (including, but not limited to, those involved with missile technology or nuclear, chemical or biological weapons); or (iii) any country which requires an import or use permit for encryption technology.

The following chart describes specific import / export reviews:

<table>
<tr><th>Country</th><th>Description</th><th>SE</th><th>PE</th><th>Automotive Technology*</th><th>Extended Networking TDK</th></tr>
<tr><td>U.S.</td><td>The QNX Development Suite has had a one time review by the U.S. Bureau of Information Security and the following reflects that review.</td><td colspan="4">Version: QDSLG1_05
CCATS # G031830
ECCN 5D002(C.1)
License Exception: ENC (740.17(a) and (b)(3))
Country Chart Column: NS1 AT1
Note For Certain Technology:
(a) Raccoon add-on is subject to License Exception: ENC (740.17(a) and (b)(2))
(b) SNMP Software is CCATS # G031831 & subject to License Exception: ENC (740.17(a) and (b)(2)).
Please also review section 740.17(e)(3) of the EAR.</td></tr>
<tr><td>France</td><td>The QNX Development Suite has been reviewed by the French Direction Centrale de la Securite des Systemes d'Information (DCSSI) which has provided the following import authorization numbers.</td><td>33768</td><td>43769</td><td>13329</td><td>43328
Raccoon add-on: 23772
SNMP: 13770</td></tr>
</table>

Publication History		
Version	**Date Issued**	**Reason for Update**
2.0	September 12, 2007	QNX Development Suite v6.3.2
2.1	November 29, 2007	QNX Aviage HMI Player for Adobe Flash Lite 3
2.2	December 3, 2007	QNX Multimedia Suite
2.3	January 18, 2008	QNX Aviage Acoustic Processing Kit
2.4	March 24, 2008	Patch for Printing Framework for QNX Neutrino RTOS Runtime
2.5	July 3, 2008	QNX Aviage HMI Player for Adobe Flash Lite 3 Version 1.1 and update of section 4.1, F4
2.6	June 27, 2008	QNX Aviage Acoustic Processing Kit v1.2