

# Foundry27

The community portal for QNX software developers

Let Foundry27 open up your innovation potential. Become a member of the QNX community and leverage QNX source code, interact with QNX experts, and develop with QNX “in the open”.

Foundry27 is a developer portal for anyone interested in developing software that runs on the QNX® Neutrino® RTOS platform or software that helps to create such applications. This portal provides source repositories, forums, blogs, wikis, and, in the community spirit, a bazaar that lets developers share source code and binaries with one another. Whether you want to download source, discuss ideas with fellow developers and share development experiences, or create a new code project for the QNX community, Foundry27 offers the resources required.

## The home of transparent development

Central to the operation of Foundry27 is QNX’s dedicated commitment to “transparent development”. Everything from software roadmaps to daily source updates are conducted on-line, live, in an open and transparent fashion. Developers can monitor the evolution of QNX products in real time and offer up suggestions, bug reports, or even code enhancements. They also gain immediate access to the latest code updates and bug fixes. There’s no more waiting for major product releases to access the “latest and greatest.”

With access to source code, tools, advanced technologies, and our own development experts, QNX enthusiasts everywhere can analyze the OS to better integrate their own code, customize OS components for application-specific requirements, and save considerable time when troubleshooting.

QNX is fully dedicated to produce its software in a transparent manner through Foundry27 projects. Over time, QNX expects that virtually all of the technologies found in its products will be developed within Foundry27 with full transparency to community members.

## Foundry27 — The Source Of Innovation

### Source code

- ▶ View source code to the QNX Neutrino microkernel, core networking stacks, transparent distributed processing and adaptive partitioning solutions, with more source code releases planned.

### Early access to the latest software

- ▶ Up-to-the-minute milestone builds and experimental releases of tools and OS technologies.

### Roadmaps

- ▶ Published development plans and schedules

### Community projects

- ▶ Homes for development activities, including projects for the QNX Neutrino kernel and the QNX Momentics® IDE to VMware and emulators.

### Bazaar

- ▶ A directory of software either running on the QNX platform or enabling the creation of such software. The directory includes commercial, non-commercial, demonstration as well as open-source software.

### BSPs and drivers

- ▶ Peripheral software components; many freely available under open source licensing terms

### Blogs and forums

- ▶ Find answers to your questions, share your experiences, or read the musings and observations by resident experts and community members

### Product downloads

- ▶ Evaluation versions of the QNX Momentics development suite (perpetual, no-cost licenses available for non-commercial and educational users)

### Product training and documentation

- ▶ Materials ranging from whitepapers and tutorials to online videos on a variety of QNX subjects

## Cut development time and boost innovation using the rich resources of Foundry27

- ▶ **Early access to QNX technologies and software products lets you experiment with QNX innovations and gives you a longer lead time toward integration.**
- ▶ **Review our source code library to simplify debugging, or modify our source for your own needs.**
- ▶ **Get your hardware up and running quickly with unrestricted access to board support packages, drivers, and other peripheral support.**
- ▶ **Find answers to your questions quickly by interacting and consulting directly with QNX development experts and community members.**

## Enabling a broad community

If you are a technology partner, educator, student, or hobbyist, you can benefit from the free and generous licensing terms that QNX offers. These non-commercial users can receive full working copies of the QNX Momentics development environment with no time constraints. Everything is there to play and experiment with, including tools, an Eclipse-based IDE, and the QNX Neutrino RTOS.

Qualifying partners can also receive unlimited development seats and participate free of charge in the QNX Partner Network. Combined with source code access, these new licensing terms make it much easier for partners to integrate their technologies with QNX products.

Best of all, the entire QNX community — commercial developers, non-commercial developers, and partners — can come together in the Foundry27 portal to share insights, information, and code.



## Is code in Foundry 27 considered “open source”?

The simple answer is ‘no’. But the complete answer is ‘sometimes’. Each Foundry27 project is free to expose its technology under its sponsor’s own licensing terms. As an example, many board support packages (BSPs) are published under the terms of the Apache 2.0 license; these are clearly open source. Components delivered as part of the QNX Operating System project can be considered open within the QNX development community and licenses; source is published, the binaries are available, the source code can be modified and even redistributed to other QNX licensed developers.

## How does Foundry27 differ from conventional open source portals or other developer zones?

The major difference between the practices within Foundry27 and its pure open source counterparts lies in the more commercially friendly terms of use:

- ▶ Unlike other developer sites that are limited to posting of SDK resources, “add-ons” listings and the like, Foundry27 also hosts projects being developed transparently; source can be public, builds can be made available, defects can be tracked publicly, plans are public and forums enable direct access to developers. QNX goes a thousand steps further than developer zones by leveraging the foundry to develop its own core commercial technologies transparently.
- ▶ Projects in Foundry27 can elect to use any license their sponsor wishes to use for new source code, or that is consistent with any license for preexisting code. Projects developed within other open communities are generally restricted to open source licenses.

## About QNX Software Systems

QNX Software Systems, a Harman International company (NYSE: HAR), is the leading global provider of innovative embedded technologies including middleware, development tools, and operating systems. Corporations such as Cisco, Daimler, General Electric, Lockheed Martin, and Logitech depend on QNX technology for a wide range of mission-critical applications.

[www.Foundry27.com](http://www.Foundry27.com)