



Jumpstart for Embedded Development

Get Qt Running on Your Embedded Platform Quickly and Painlessly

Software often ends up being the final barrier before a new product with embedded hardware can be released to manufacturing. The Qt® framework helps reduce the magnitude of this barrier by allowing the development of embedded applications on desktop systems using a virtual framebuffer well before the actual hardware is available. However, at some point, you need to cross-compile for your target platform and test your application on the real hardware.

ICS's Jumpstart for Embedded Development allows you to handoff to the experts the port of the Qt software to your hardware platform. Jumpstart's fixed price and a fixed delivery commitment with options to tailor the service to your needs, provide the most economical and efficient way to get started with Qt.

This service includes:

- **Turnkey Qt Port to Your Linux Platform** — Send us the hardware with Linux installed and we will return it to you with a running, tested Qt port within 10 days (5 days typical). We will document anything that cannot be made to work so that the limitations of your platform are clear.
- **Documented Qt Build Process** — We will include with the port, a formal written document that tells you how to re-build Qt yourself. So when the next version of Qt is released, you can manage the port yourself in a matter of hours.
- **Development Cookbook That Overcomes the “Hello World” Barrier** — Sometimes setting up the right tool chain can be a difficult and time-consuming process. A typical cross-platform tool chain is made up of many components, and tracking down compatible versions of software is not an easy task. ICS will provide you with a document that describes in detail where to get the software, what versions, and how to install it properly so that you can write your own “Hello World” test application.

- **Performance Report That Tells You What You Need to Know** — Once the port is complete, ICS will run a set of benchmarks that will help characterize the performance you can expect from your board. This report includes information on memory footprint as well as graphics performance.
- **Fixed Price** — Before we start, we will tell you the final price. No hidden add-ons or gotchas.

Several options can be added to this Jumpstart:

- **Custom Skins for Virtual Framebuffer** — It is hard to visualize a user interface outside its context, especially when running it in a virtual environment on a desktop machine. ICS will take your product concept and create a custom skin that looks like your final device. This helps you develop applications that not only fit within the physical limitations of your device, but also fit the visual design of the device.
- **Graphics Acceleration** — The basic Jumpstart service includes software rendering but does not take advantage of any graphics acceleration your device provides. As an option, you can engage with ICS to port Qt on top of your graphics subsystem, to maximize the performance of your application.
- **Special Service Drivers** — Some embedded systems use I/O devices that are unique to their device. If you need the support of a special device, ICS can help.

About ICS

Integrated Computer Solutions, Inc. (ICS), of Bedford, Massachusetts, is the largest independent supplier of add-on products, training and professional services for the Qt cross-platform framework. ICS is a Qt Software Preferred Training and Consulting Partner in North America and has provided training services to individuals, small groups and over half of the Fortune 500, including many whose technology defines their core business. More information can be found at www.ics.com.



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