Logo

**Introduction**

The iDigi Integration Kit (IIK) is a platform independent ANSI C software development kit used to add iDigi Device Cloud connectivity to any networked embedded device.

There are three major steps to integrating the IIK into your embedded device: Compilation, Porting, and Application Extensions.

The Compilation step includes adding the IIK to your development environment.

The Porting step includes adding the necessary application updates that connect key elements of your development environment (i.e., networking, memory allocation and time, configuration) to the IIK. Porting also includes running the IIK in your environment and confirming your device is connects to the iDigi Device Cloud.

The final step, Application Extensions, includes taking elements from the various IIK sample applications and combining these into your application to meet your project’s requirements.

**In and out of bounds**

It is forbidden to modify any code within the /private portion of the IIK tree. We recommend you focus your attention on the /public parts only.

**Getting Started**

Assuming an implementer familiar with a given platform and environment, we expect the Compilation and Porting steps to take roughly 12 hours, including both software development time and the time for reading the IIK User Guide.

To get started, open the IIK User Guide, read the Overview, and then follow the steps in the Getting Started Procedure. The IIK User Guide can be found here: [./docs/user\_guide.html](docs/user_guide.html).