



DeviceSolutions
Imagination. Realized.

Device Solutions Software Platform Overview

Overview

The Device Solutions Software Platform is a set of reference libraries used to quickly bring products to market. These libraries include support for cellular connectivity on a variety of cellular modules, sockets, HTTP, SMS, GPS on a variety of modules, geofencing, protocol utilities, Over-The-Air firmware updates, nonvolatile storage, and a full set of extensible hardware drivers.

The library is composed of C++ classes which allow the user to create high-level objects which hide the underlying complexity of the system. This in turn allows the user to create a complex system by instantiating and using a few objects. As an example, an asset tracking application can be created in a matter of a couple of days.

The Software Platform has been developed to run on the LPC210x, LPC23xx, and LPC17xx families of processors. However, its modular design allows it to be ported to a wide variety of other processors and systems. Additionally, the Software Platform contains full support for the Device Solutions Modem Reference Design.

The clean interfaces between the modules allow individual components or groups of components to be extracted and used within a larger system.

Block Diagram

