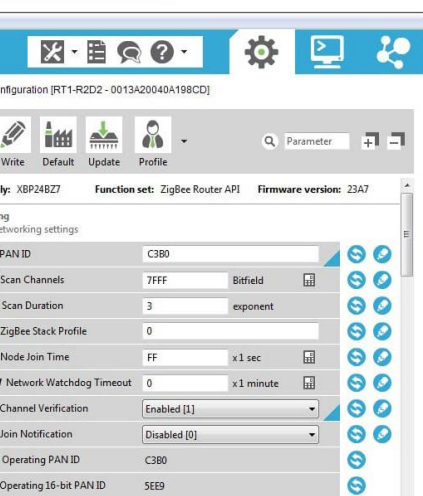
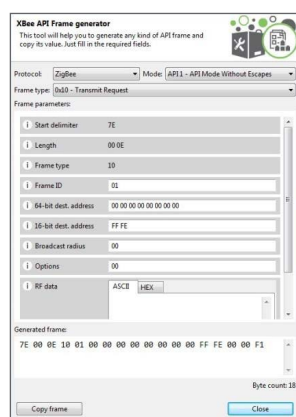
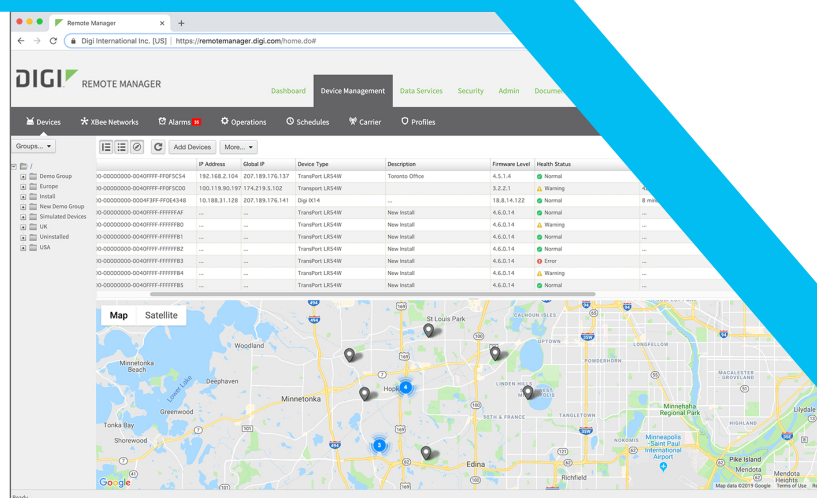
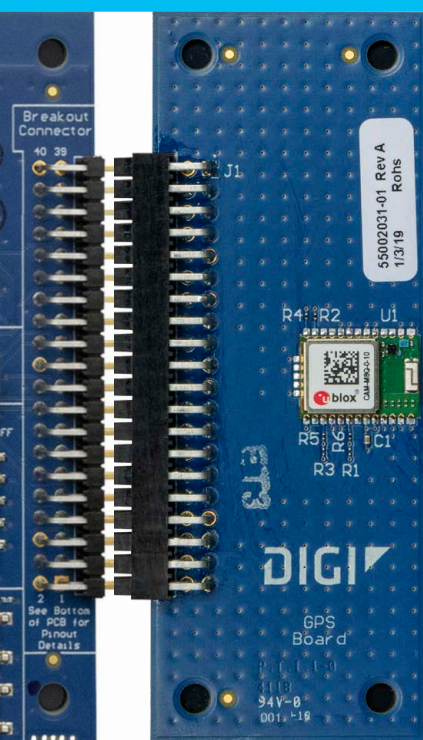


Digi XBee Tools:

Build. Deploy. Manage.

Productivity, Faster Time-to-Market, Better Management

There is no denying the complexity of the product lifecycle in today's IoT environment. Cellular and radio frequency devices must be programmed, configured, and validated during development and testing. Then in the production phase, that process must be repeated at scale. Mass deployment requires network setup, mapping, and debugging. Then you need a way to manage the device network, update firmware across your deployment, and receive notifications in the event of outages or malicious tampering. What if you had expert tools to help manage and expedite the critical tasks in each of these phases of the product lifecycle? Now you do.

Introducing Digi XBeeTools

The Digi XBee toolset supports every stage of the IoT product lifecycle, from development, testing and production to deployment and ongoing management. Digi XBee Tools includes hardware products and software programs that simplify tasks, improve productivity, support rapid time-to-market, and help you manage your devices after deployment, even if your network grows to hundreds of thousands of devices across multiple continents.

Phase 1 Build

During the first phase of the IoT product development lifecycle, developers need tools to expedite the processes involved in prototyping, designing a proof of concept, and testing wireless applications.

Digi XBee Studio:

Digi XBee Studio is the next-generation successor to the legacy XCTU configuration tool, providing a modern, unified desktop environment for configuring, testing, and updating Digi XBee modules.

Digi XBee Configuration and Test Utility (Legacy):

Digi XCTU is a configuration platform for Digi XBee devices that is compatible with Windows, MacOS and Linux. A long-time favorite of XBee developers, XCTU provides a graphical view of connected Digi XBee devices and capabilities to support key developer tasks, such as configuring devices, updating firmware, and performing range testing.

Digi XBee Development Board (XBIB-C):

Digi XBIB-C is a full-featured development board for use with Digi XBee modules, supporting all form factors in the Digi XBee ecosystem — surface mount, through-hole, and micro. Powered by USB-C or battery, the development board is designed for development anywhere, and includes a USB connection to a cellular modem (cellular variants only), current consumption testing pins, and a range of features including a 40-pin expansion header for accessories such as the Digi XBee GPS Daughter Board.

Digi XBee MicroPython PyCharm IDE Plugin:

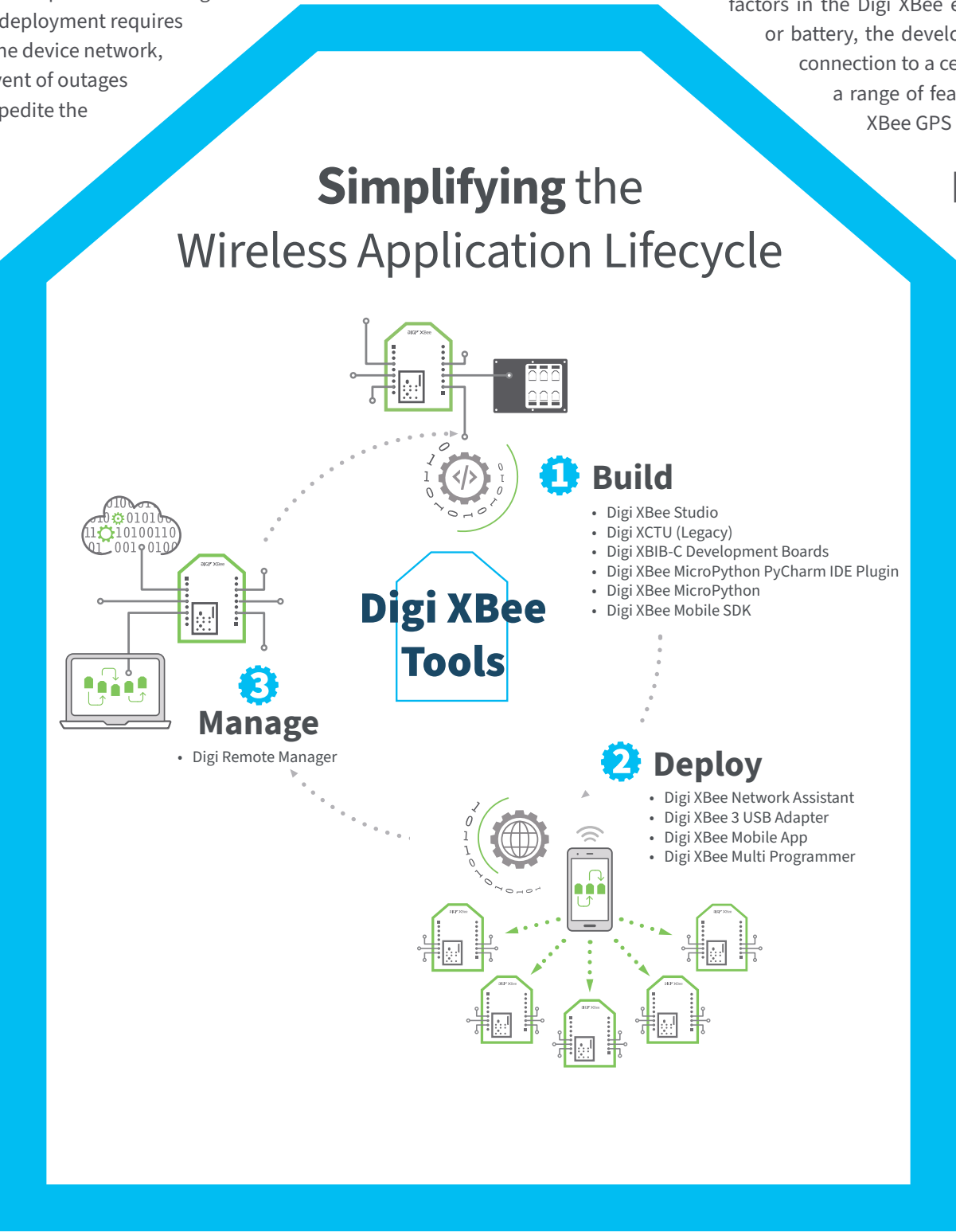
This **software plugin** offers an integrated environment for developers to program MicroPython on Digi XBee modules. The plugin streamlines the programming and flash processes, reducing the number of programs needed to develop and upload code, and making it easier to use the edge compute functionality of Digi XBee products.

Digi XBee MicroPython:

With **integrated MicroPython**, Digi XBee devices not only transmit data; now they can process small amounts of code. This simple addition makes it possible to move computation to the edge of the network, offloading network stress and reducing latency. With MicroPython, an easy-to-learn scripting and programming language, you can rapidly prototype intelligent behaviors at the edges of your network.

Digi XBee Mobile SDK:

Digi XBee Mobile SDK is a set of libraries, code examples and documentation designed to simplify the creation of mobile apps that interact with Digi XBee modules via Bluetooth. Bluetooth enables local connectivity to Digi XBee modules via a mobile device to streamline network deployment and configuration. Bluetooth Low Energy can also be used as a communication channel to create a Human Machine Interface in a smartphone or tablet to monitor and control a device that does not have a display.



Phase 2 Deploy

In the next phase of the IoT product lifecycle, the key stakeholders are those responsible for programming Digi XBee devices based on the application design.

Digi XBee 3 USB Adapter:

Designed for use with Digi XBee Network Assistant, the [Digi XBee 3 USB Adapter](#) simplifies local Digi XBee network setup, configuration, and debugging from a laptop or PC. The adapter supports 2.4 GHz Zigbee, 802.15.4 and DigiMesh networks. The device contains its own antenna and works on a Digi XBee Wireless Personal Area Network.

Digi XBee Mobile App:

Available for iOS and Android devices, the [Digi XBee Mobile App](#) is a Bluetooth-based utility that simplifies wireless Digi XBee configuration from a mobile device. The app offers the same functionality as Digi XBee Studio, allowing users in the field to configure, commission, investigate and update Digi XBee modules securely from any Bluetooth-capable device.

Digi XBee Multi Programmer:

True to its name, the [Digi XBee Multi Programmer](#) tool provides the capability to program up to six Digi XBee Through-hole (TH) modules at once, dramatically expediting the configuration of XBee modules during the build cycle.

Digi XBee Network Assistant:

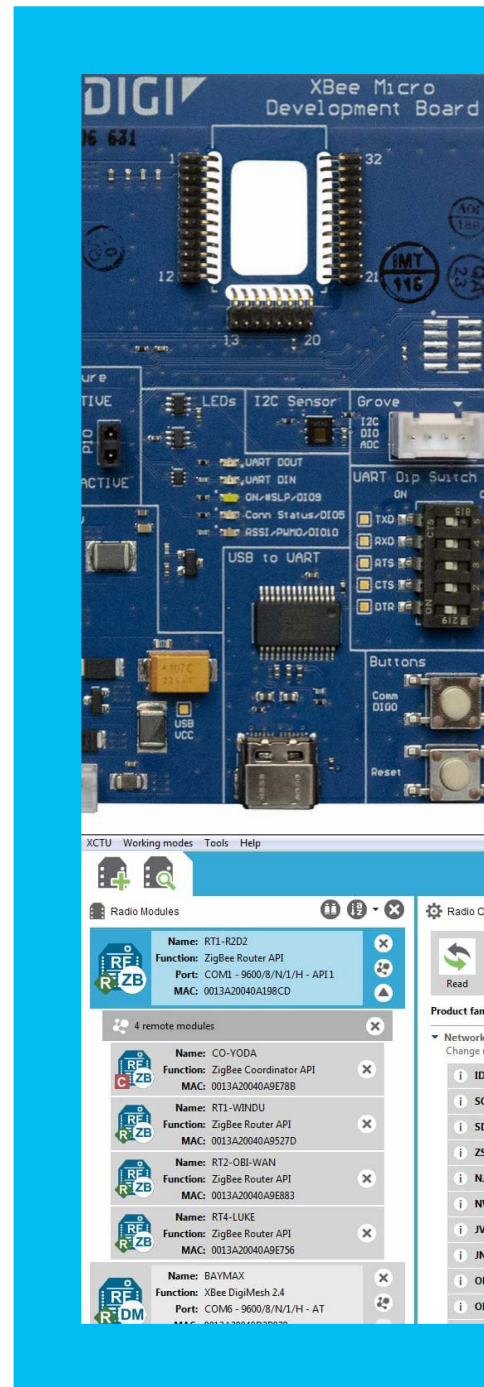
The [Digi XBee Network Assistant](#) is a desktop utility that simplifies installation and provisioning of Digi XBee devices and provides visibility into device networks once they are established. The site survey tool is designed for the needs of engineers out in the field to map the network, perform firmware updates and debug any issues.

Phase 3 Manage

The third phase involves rollout of the developed application to its destination in the field, network setup and integration of the application with other systems.

Digi Remote Manager:

Digi XBee modems integrate with [Digi Remote Manager](#) (DRM), a comprehensive, central and secure IoT management platform that gives network administrators control over device networks of any size. DRM enables administrators to perform a range of monitoring and management tasks, from mass firmware updates to setting alerts for abnormal conditions. Once established, device profiles are automatically monitored and reset to the approved profile to prevent any malicious tampering.



Need support for your next design and build project? [Digi Wireless Design Services](#) can help! [Contact us to learn more.](#)