Implementation Steps For RDK

Purchase RDK

There are various types of RDK available on the website, users can choose from three different sizes.

- 4.3 inches
- 5 inches
- 7 inches
-

The basic structure kit is recommended for first-time users, but for experienced users we recommend the ADVANCE Starter Kit.
To learn about the pin configuration, the user should download the datasheet for the chosen kit.
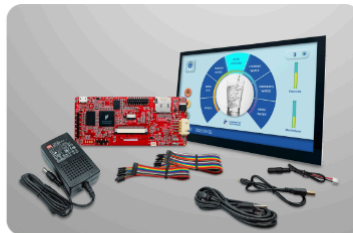Check the link for Product Details
https://rdktech.org/rapid-development-kits/

A kit for every case

5.0" LCD RDK Board
UMS-S001MD-050
Basic Starter Kit

Datasheet

7.0" LCD RDK Board
UMS-S002MD-070
Basic Starter Kit
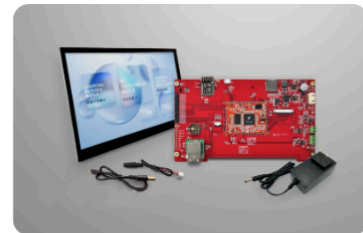
Datasheet

7.0" LCD RDK Board
UMOH-S009MD-070
Advanced Starter Kit + onboard Wi-Fi, Ethernet, RS-485 and CAN Bus

Datasheet

More Info   More Info   More Info

1   2   3

Download ADE (Acorn Development Environment)

You can download the ADE software from the website.
Check RKD 101 from the menu bar or check the home page to get the software download link.

Acorn Development Environment

All our kits are powered by Acorn, our low-code environment that makes prototyping and development easy. It eliminates syntax errors and simplifies development to cut down on time and costs.

Acorn also supports Python.

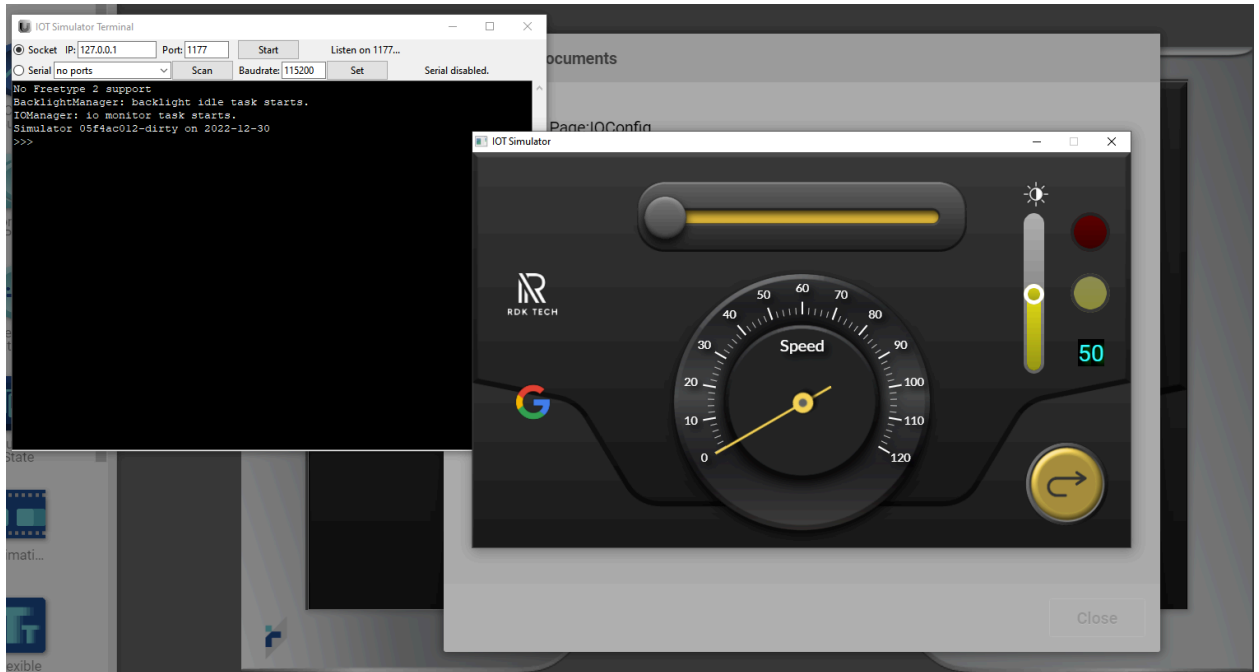**Acorn for Windows**
Windows 10 OS 64bit
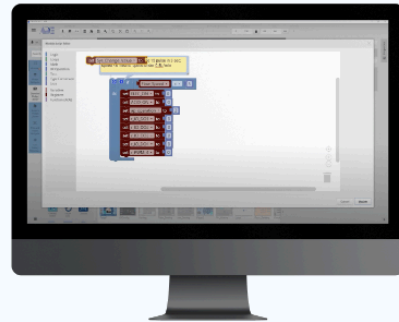
Workflow Of ADE

This software allows users to create their design and upload it to the rdk device.
ADE is very user-friendly, here are some points that would be helpful for new users.
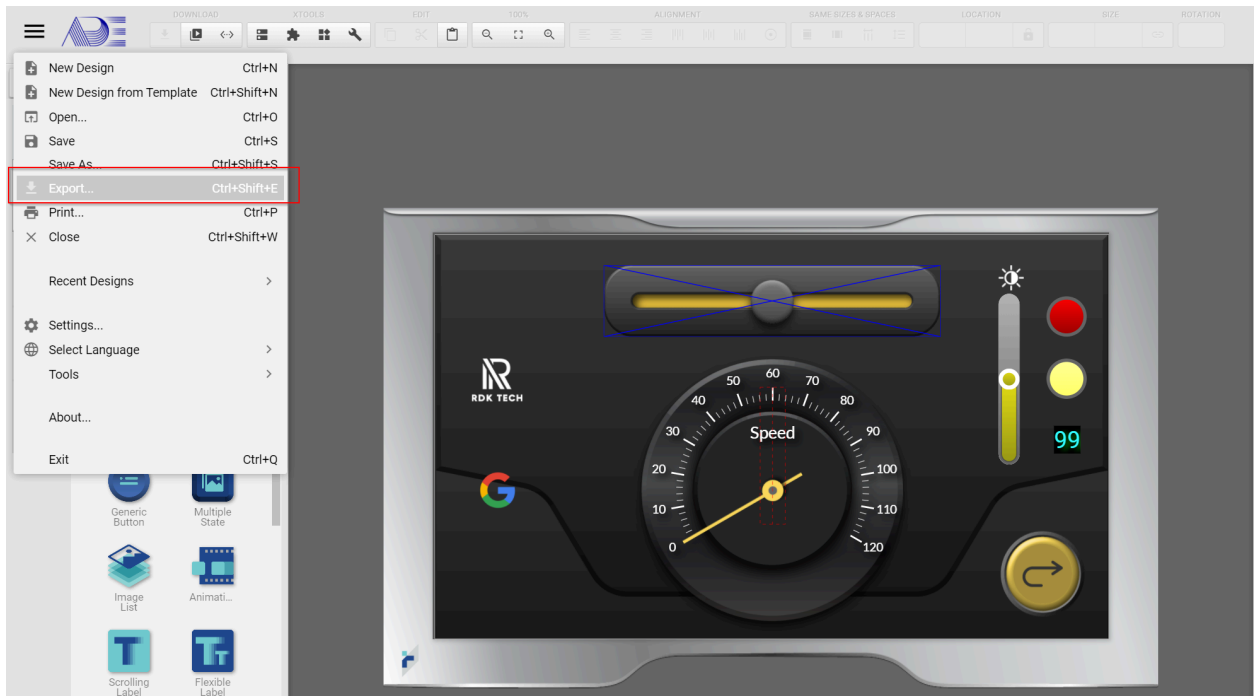
The workflow for RDK is

● Design
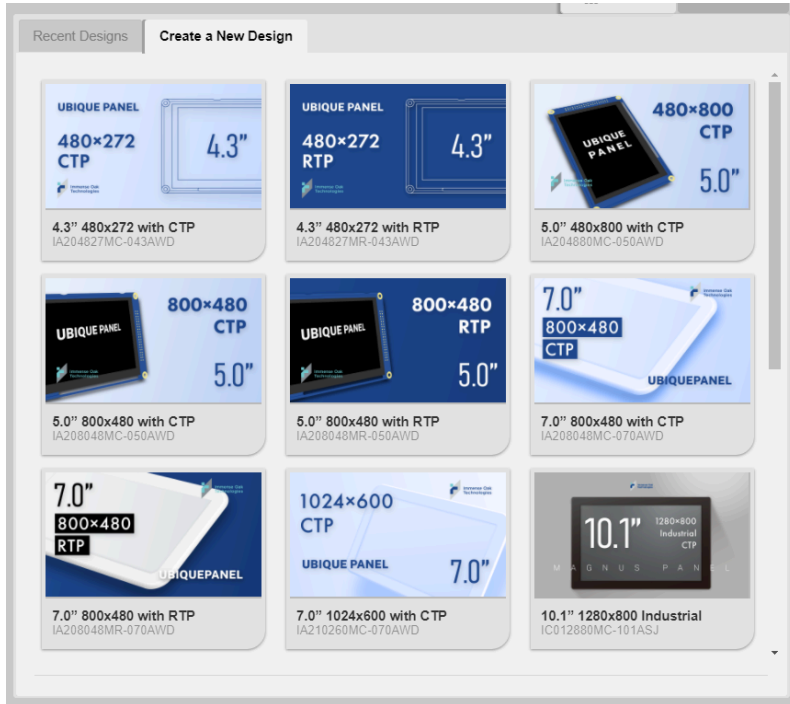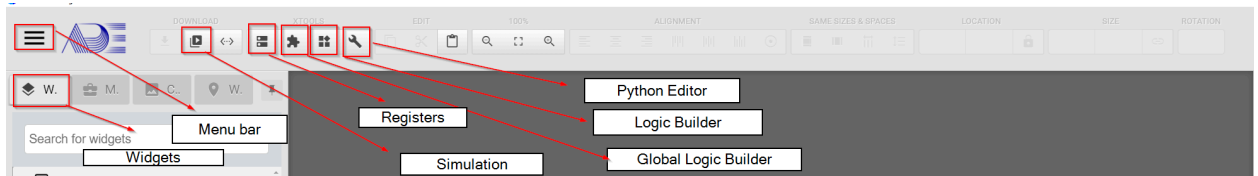
- # Simulation

- # Deployment

Tips For Starters

- Start your projects using base templates. Based on your device user should choose the desired size CTP templates
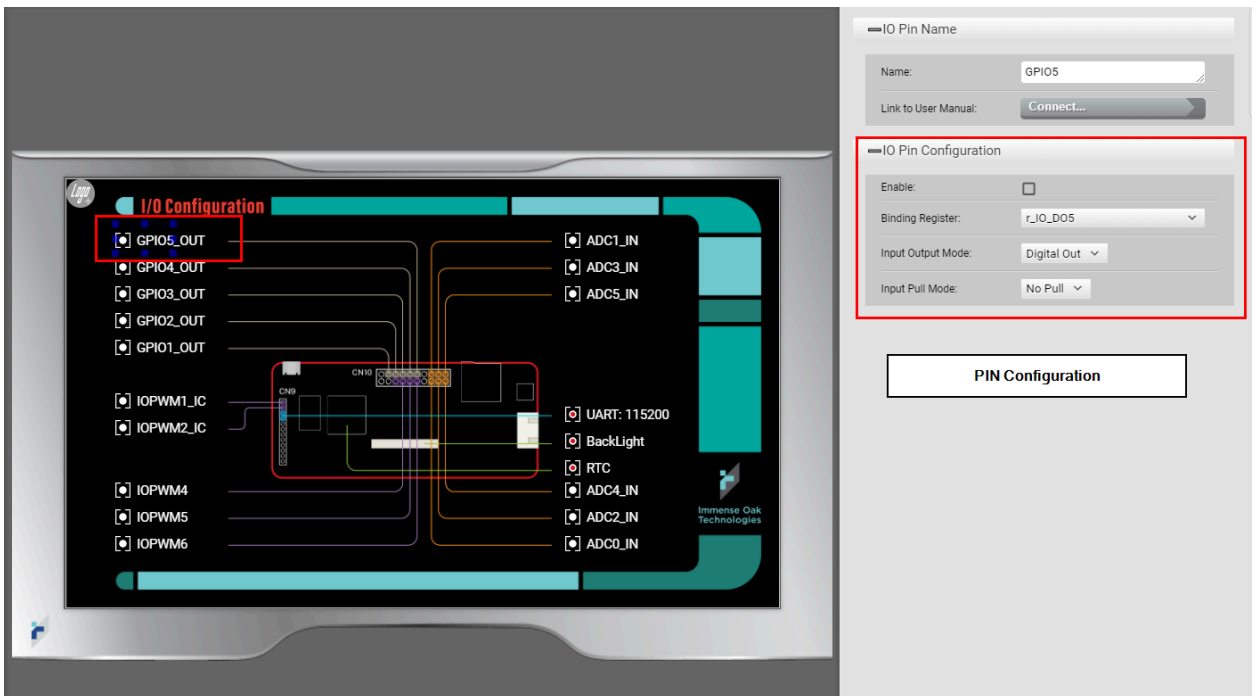

- Menu Short Cuts

- Check the IOConfig page, this page corresponds with the pins of the device, found in the datasheet.
  Pages Can be found below the design window.

IOConfig page can be used to bind registers to any pin.

Users can learn more about registers and pages from the documentation.
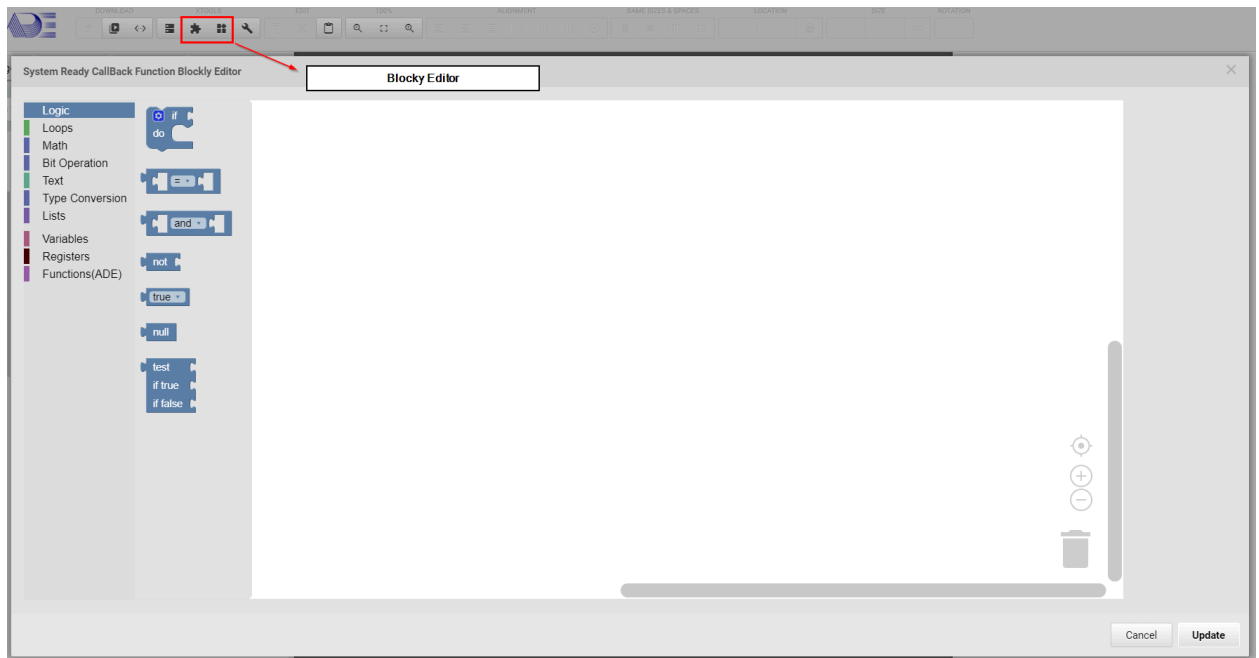To learn about registers use this section

To learn about pages use this section

Registers are the core of RDK, to know about registers users should check the documentation

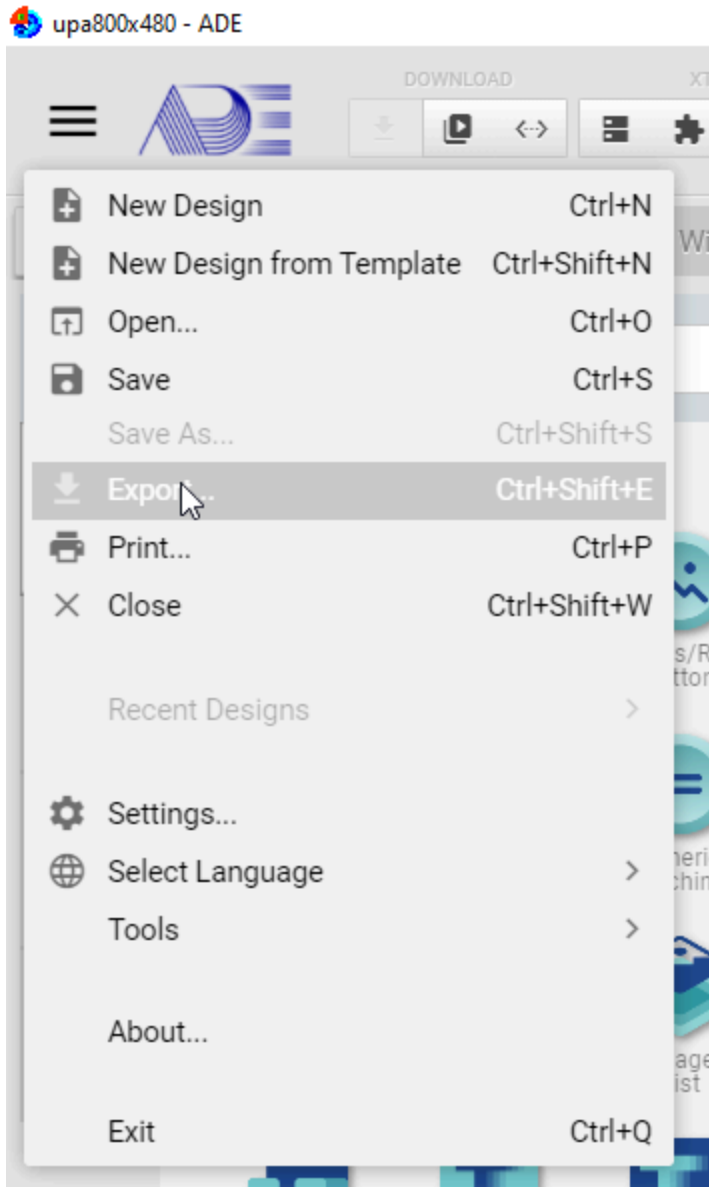● ADE provides a Python editor and drag-and-drop logic builder for creating logical actions for registers.

● ADE provides a wide range of widgets to design the simulations. From input switches, and scroll bars to output widgets like LED lights, audio output etc.
To learn more about the widgets check this section

Standard Widget Library

Slider Switch	Click Button	Press/R... Button
Moment... Push	Generic Push	Generic Latching
Generic Button	Multiple State	Image List
Animati...	Scrolling Label	Flexible Label
Date/Ti... Label	V2 Image Label	Digits
Circular Progress	Circular Meter	Generic Progress
Horizont... Slider	Vertical Slider	Touch Area

IOT Gallery Minimal...

System Widget Library

Meter Graphic Library

- User can export the project to the device using a USB cable from ADE

Documentations

Here is the complete documentation link
https://rdktech.org/rdk-documentation/