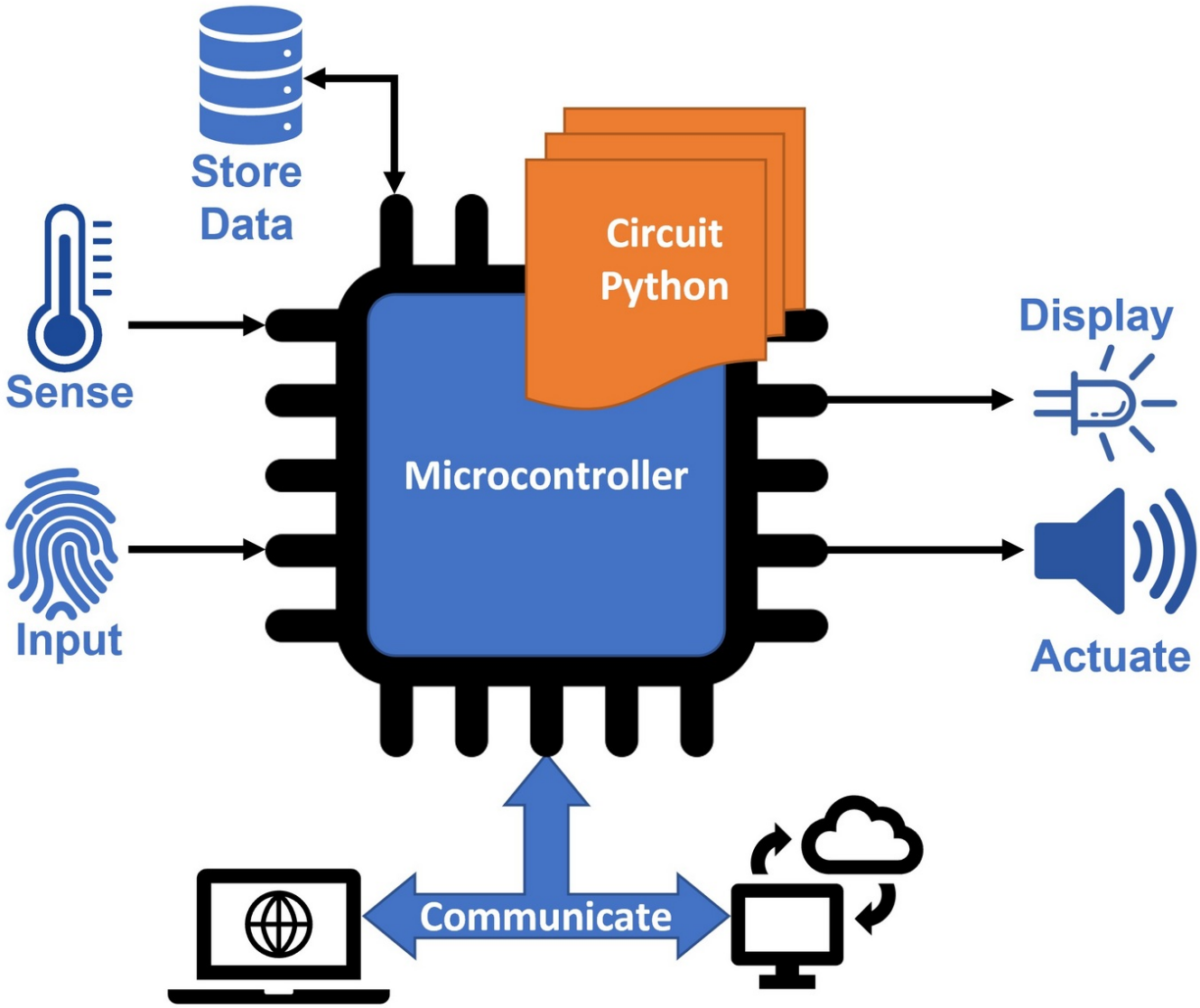
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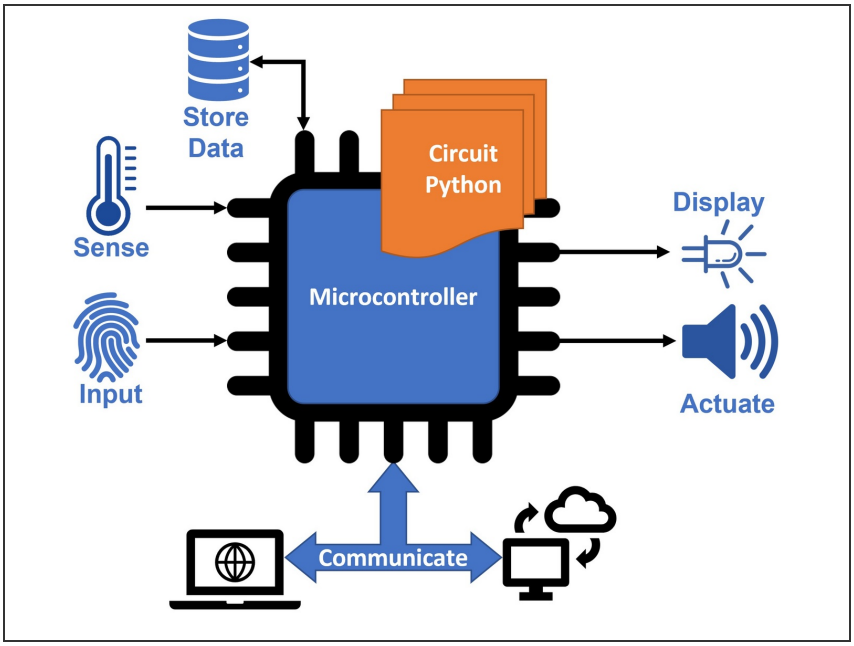
1) READ ME - Technology Kits

This is an introduction to how to choose and use technology kits on this page.

Written By: Alan

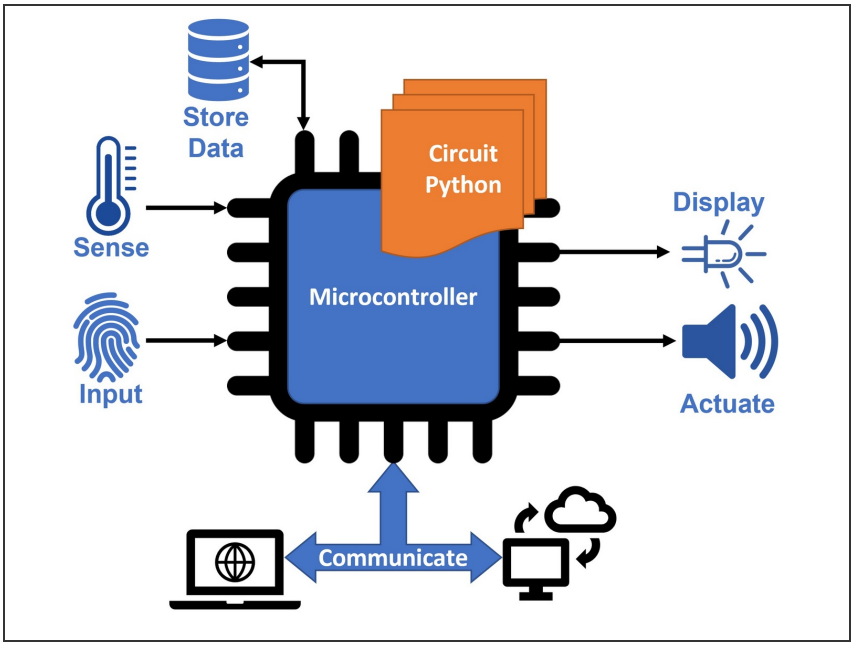


Step 1 — 1) READ ME - Technology Kits



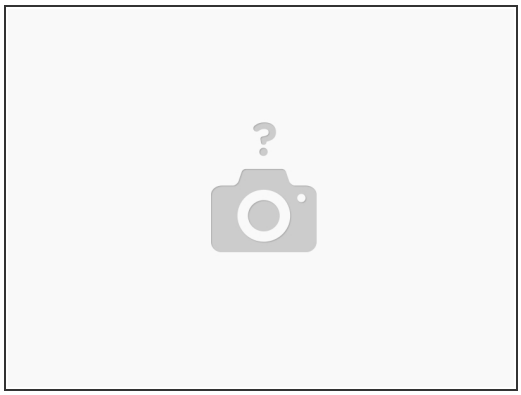
- Guides in this section teach about particular components used to build electronic systems.
- Each of these components is available as a kit to check out.
- They are designed to get you over the initial step of getting the component working so that you can learn more about it through experimentation.
- There is a quiz at the end of each guide. Successfully completing the guide and passing the quiz gets you a 'technology badge'.
- The kits are organized by the functions they perform in an electronic device as shown in the figure. The next guide step describes the eight types of kits.

Step 2



- Microcontroller - kits to learn about the "brain" at the heart of most electronic projects.
- Circuit Python - kits to learn how to program the microcontroller using a version of Python designed for microcontrollers.
- Store Data - record data so it can be analyzed later.
- Sense - measure environmental data like temperature or force and send it to the microcontroller.
- Input - ways for humans to provide input to an electronic device.
- Communicate - kits to support sending data between devices or to the internet.
- Actuate - use a signal from the microcontroller to operate external devices through applying force, switching power, etc.
- Display - having the device use light or sound to send information.

Step 3



- Kits are available for checkout from Matt Lamparter or one of the MakerE techs.

ⓘ Kits are loaned only and must be returned in working condition. You make not integrate the parts of a kit into your project.

⚠ You will be charged if you fail to return a kit or return a damaged kit.