**Development Notes**

**Of OpenGameConsoleMK1**

* Use “pip install esptool” to get installation tool for chips produced by Espressif (esp8266, esp32, …)

Use “esptool.py <arguments…>” in CMD to install micropython firmware for esp devices mentioned above.

Visit <https://docs.espressif.com/projects/esptool/en/latest/esp32/installation.html>

<http://docs.micropython.org/en/latest/esp8266/tutorial/intro.html> for more information.

* If encounter “failed to create process” when try to use esptool.py, download esptool project files on github and directly run esptool.py in project directory through command “python <absolutepath>\...\esptool.py”.

https://github.com/espressif/esptool/tags

* Use “import esp” to get hardware information of esp devices in micropython shell.

E.g. esp.flash\_size() returns the size of on-board flash in bytes.

* Use help(obj) in micropython shell to get information of functions, classes, variables and other objects in modules.

E.g. help(machine.SPI) returns names of methods and properties of SPI class in module machine.