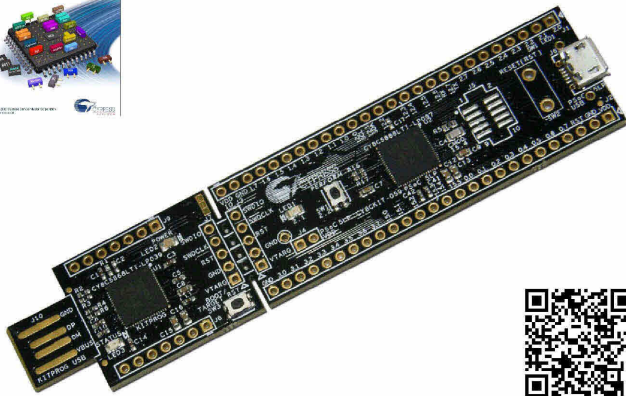


**CY8CKIT-059**  
(C-YA-A-00205) \*\*\*



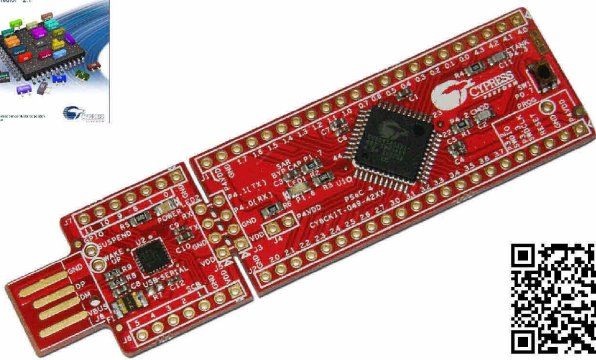
This is inexpensive and the latest Development Board for PSoC 5LP CORTEX-M3 from CYPRESS. Board has a part that connects with USB PORT(KITPROG), it can download program that is written on PC into board directly; so, it is more convenient and inexpensive.

In the part of program development, it uses PSoC CREATER (download free) to design PERIPHERAL I/O and writes program as GUI for writing circuit and Wizard for setting I/O Pin and Parameters. Moreover, it writes program by Text Editor that can link together; so, it is easier to develop program.

● The first part uses MCU CY8C5888LTI-LP097 as QFN68 type to be PSoC 5LP ARM CORTEX-M3 32 BIT, 80 MHz, 256 KB FLASH, 64 KB RAM, ADC 12 BIT, 38 I/O

- I/O CONNECTOR is PCB PIN 2.54mm. 26 x 2
- Part of KITPROG is used to program and debug into MCU via PORT USB 4 PIN PCB TYPE A
- Use POWER SUPPLY +5VDC via Connector USB PORT 4 PIN directly

**CY8CKIT-049-42XX**  
(C-YA-A-00196) \*\*\*



This is the inexpensive Development Board for PSoC4 ARM Cortex-M0 from CYPRESS. Board has a part that connects with USB PORT, so it can load program into board directly in order to write and test program conveniently.

When developing program, it uses Program PSOC Creater to design Peripheral I/O and writes program as GUI for writing circuit and Wizard for setting I/O Pin and Parameters. Moreover, it uses Text Editor to write program that is more convenient to link and it is easier to develop program.

● The first part uses MCU CYPRESS No.CY8C4245AXI-483 to be PSOC4 ARM CORTEX-M0 32BIT, TQFP-44, 32KB FLASH, 4KB RAM, A/D 12 BIT

- I/O CONNECTOR is PCB PIN 2.54mm. 44 PIN PCB
- Part of connecting with USB PORT of Computer uses CY7C65211; it changes USB to UART to load program data to CY8C4245AXI through UART BOOT LOADER.
- CONNECTOR is 4 PIN USB that can be connected with PORT USB directly and it uses POWER SUPPLY from USB PORT.

**CY8CKIT-042 (C-YA-A-00197) \*\*\***

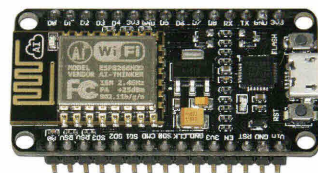
This PSoC 4 Pioneer Kit is the learning Kit for MCU ARM Cortex M0 of Cypress. It combines the 32 Bit Processing Data and Peripheral I/O; it allows user to customize the part of Analog such as Opamp Filter Comparator ADC DAC and the part of Digital such as UART SPI I2C Timer/Counter as required. This Kit consists of the part of Programmer/Debugger and the part of MCU PSoC4 to test and write program No.CY8C4245AXI-483.



When developing program, it uses Program PSOC Creater to design Peripheral I/O and writes program as GUI for writing circuit and Wizard for setting I/O Pin and Parameters. Moreover, it uses Text Editor to write program that is more convenient to link and it is easier to develop program.

- Include part of Programmer/Debugger connects through
- USB in set, without using External Programmer Device
- Use Power Supply from USB and external Power Supply Connector is compatible with Arduino; it can be used with Arduino Shied such as Ethernet Shield
- Has 3 colored LED for testing and Push Button Switch for testing Digital I/O
- Has 5 levels of testing Capsense Slider to test and learn how to detect Touch Pad

**NODEMCU LUA WIFI**  
(A-IC-M-00055) \*\*\*



NODEMCU LUA WIFI is development board and uses WIFI; it connects Board ESP8266 together with Circuit USB TO UART, so it is easier and more convenient to connect and develop program. Moreover, it is easier to develop a project on INTERNET OF THINGS.

**SPECIFICATIONS of Board NODEMCU LUA WIFI**

- Use MODULE ESP8266-12E, 4 MBYTE FLASH, WIFI MODULE
- Use IC BUS TO UART No.CP2102 from SILICON LABS; there is no any problem about connection between USB PORT on the Operating Systems (OS)
- Logic Level of INPUT/OUTPUT 3.3V
- Use Power Source from PORT USB 5 VDC or external Power Source 5-10 VDC
- Develop program by Program Arduino
- PIN HEADER 15 x 2 (2.54 mm.) is externally connected from board
- Use Connector MICRO USB
- Board Size: 25.40 x 48.26 mm.

**NOTE:**

- For more information of Circuit and Board NODEMCU, please visit website : <https://github.com/nodemcu/nodemcu-devkit-v1.0>
- Install Arduino Core of ESP8266 to use Program Arduino for development, please visit website : <https://github.com/esp8266/Arduino>
- For Driver of Chip USB TO UART, please visit website: <https://www.silabs.com/products/mcu/Pages/USBtoUARTBridgeVCPDrivers.aspx>

( \*\* This is imported product, there is no any warranty. \*\* )

