



## Espressif Systems ESP32-C6-DevKitC-1 Development Board

Espressif Systems ESP32-C6-DevKitC-1 Development Board is based on the ESP32-C6-WROOM-1 module offering 8MB SPI flash. This development board integrates complete Wi-Fi®, BLUETOOTH® LE, Zigbee®, and thread functions. The USB Type-C™ to UART Port is used for supplying power to the board, as well as for communication with the ESP32-C6 chip. This ESP32-C6-DevKitC-1 development board features a USB-to-UART bridge, pin header, boot, and reset button. The development board operates at 3.3V power on LED, and the power regulator converts the 5V supply to 3.3V output.

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### FEATURES

- Based on ESP32-C6-WROOM-1(U)
  - Integrates complete Wi-Fi, BLUETOOTH LE, Zigbee, and Thread functions
  - Pin header
  - Boot button
  
  - Reset button
  - 3.3V power on LED
  - 5V to 3.3V LDO
  - USB-to-UART bridge provides transfer rates up to 3Mbps
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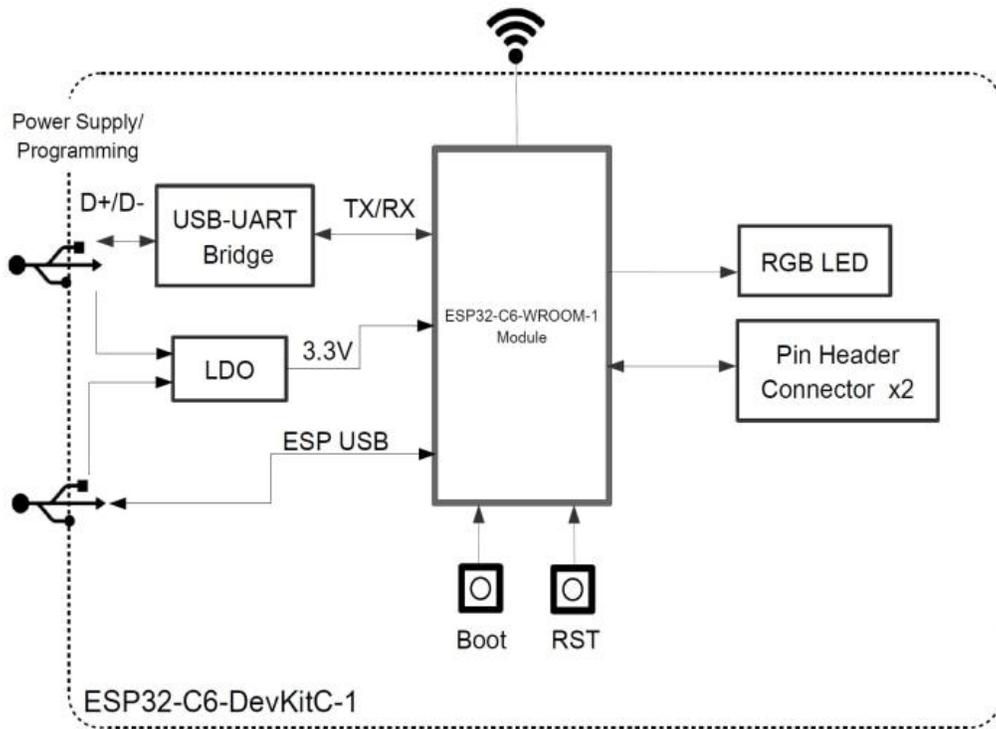
### APPLICATIONS

- Industrial automation
  - Health care
  - Consumer electronics
  - Smart home
  - Smart agriculture
  - POS machines
  
  - Service robot
  - Audio devices
  - Generic low-power IoT
    - Sensor hubs
    - Data loggers
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### REQUIRED EQUIPMENT

- USB-A to USB-C cable
- Computer running Windows, Linux, or macOS

## BLOCK DIAGRAM



## DIMENSIONS (MM)

