

Wio Lite RISC-V (GD32VF103) - With ESP8266

SKU 102991310

We've released Wio Lite W600 WiFi and Wio Lite MG126 Bluetooth, now the third brother of Wio Lite family is coming -- Wio Lite RISC-V.

Wio Lite RISC-V is a feather form factor **RISC-V** development board Based on **GD32VF103**, with the onboard ESP8266 Wio Core, it also features WiFi function.

GD32VF103CBT6 is a Bumblebee core based on Nuclei System Technology. Support RV32IMAC instruction set and ECLIC fast interrupt function. Core power consumption is only 1/3 of that of traditional Cortex-M3.

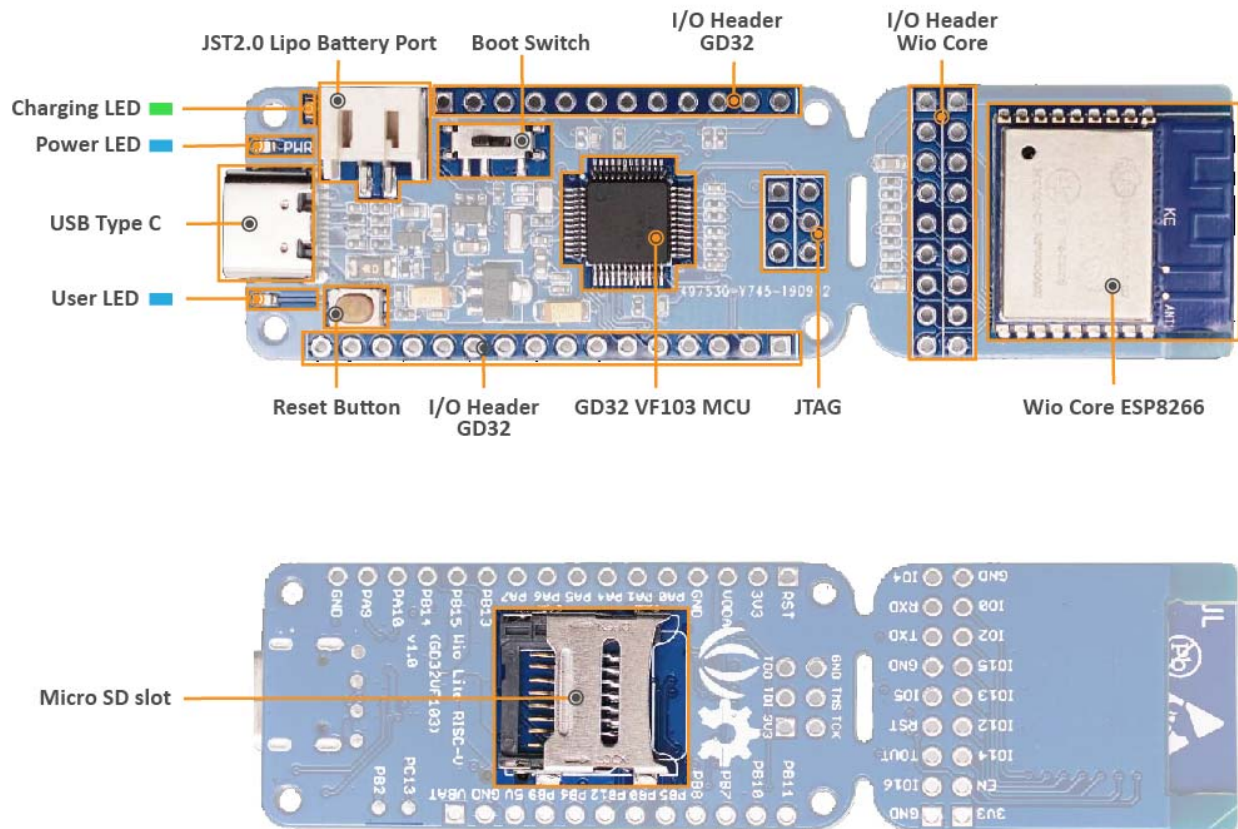
Onboard ESP8266 WiFi core and Lipo charging circuit make it a perfect IoT control board. There is also a micro SD slot at the backside of this board, which can expand system resources.

Meanwhile, as a Wio Lite Board, Wio Lite RISC-V definitely can work with the Grove Shield for Wio Lite. With this shield, over 200 Grove sensors, actuators and displays are all yours. For instance, you can choose whatever grove OLED you like to make it a visual development board.

Features

- RISC-V MCU GD32VF103CBT6
- ESP8266 WiFi Wio Core
- Feather form factor
- JST2.0 Lipo Port
- Onboard SD Slot
- USB Type C

Hardware Overview



```
34  /*  
35  \brief      led off  
36  \param[in]  none  
37  \param[out] none  
38  \retval     none  
39  */  
40  void Wio_lite_RISC_V_led_off()  
41  {  
42      gpio_bit_reset(LED_GPIO_PORT, LED_PIN);  
43  }  
44  
45  int main(void)  
46  {  
47      Wio_lite_RISC_V_led_init();  
48  
49      while(1){  
50  
51          Wio_lite_RISC_V_led_on();  
52          delay_1ms(1000);  
53          Wio_lite_RISC_V_led_off();  
54          delay_1ms(1000);  
55  
56      }  
57  }  
58
```

Indexing .pio\build\wio_lite_risc-v\libRISCV.a
Linking .pio\build\wio_lite_risc-v\firmware.elf
Building .pio\build\wio_lite_risc-v\firmware.bin
Checking size .pio\build\wio_lite_risc-v\firmware.elf
Memory Usage -> <http://bit.ly/pio-memory-usage>
DATA: [=] 7.0% (used 2310 bytes from 32768 bytes)
PROGRAM: [=] 5.0% (used 6572 bytes from 131072 bytes)
[SUCCESS] Took 21.58 seconds

ECCN/HTS

HSCODE	8543709990
UPC	

