GoPlus2

**Description**

GoPlus2 is a stackable multi-functional motor and servo control module. The master control integrates the STM32F030C8T6 chip. The module is equipped with 2-way DC motor drive interface and 4-way servo drive interface. Three PORT-B interfaces (Analog Input, Digital Output, Digital Input) can be expanded. Built-in 500mAh battery and support infrared (IR) transmission and receive. In order to meet the requirements of multi-channel interface power supply at the same time, a DC power interface is provided for external power supply, battery can be charged through the M5Core with USB-C.

Communication protocol: I2C(0x38)

**Product Features**

- 2x DC motor interface
- 4x Servo interface
- IR transmit & receive
- 3x expand PORT B
- STM32F030C8T6
- Built-in 500mAh battery

**Include**

- 1x GoPlus2 Module
- 2x DC Motor Cable

**Application**

- Actuator / motor driver
- Acquisition and control of multiple input and output signals
- Infrared controller
- DIY Toy base

**Specification**

<table>
<thead>
<tr>
<th>Resources</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main control chip</td>
<td>STM32F030C8T6</td>
</tr>
<tr>
<td>Expand interface</td>
<td>DC Motor x 2, PORT-B x 3, Servo x 4</td>
</tr>
<tr>
<td>motor drive</td>
<td>H8B833 H-bridge drive</td>
</tr>
<tr>
<td>IR</td>
<td>Transmit and Receive</td>
</tr>
<tr>
<td>Battery</td>
<td>500mAh</td>
</tr>
<tr>
<td>Net Weight</td>
<td>30g</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>58g</td>
</tr>
<tr>
<td>Product Size</td>
<td>54<em>54</em>13mm</td>
</tr>
</tbody>
</table>
EasyLoader

EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to perform a series of function verification. Please install the corresponding driver according to the device type. M5Core host

Please click here to view the CP210X driver installation tutorial

Schematic

PinMap

M5Core(GROVE A)  GPG35  GPR05

IR

Receive  Transmission

Related Link

Protocol Manual

GoPlus 2 I2C Protocol

Example

Arduino

To get example code, please click here to download

PURCHASE