seeed studio

INDUSTRIAL PRODUCT DATASHEET

StackForce Mini Wheeled-Legged Robot

It is a bipedal wheeled robot that integrates an advanced full-body kinematics model and a state-adaptive self-stabilization algorithm.

SKU	UPDATED	PRICE
100090157	2026-11-16 06:47:58	$299.00(Excl. VAT)



Overview



It is a bipedal wheeled robot that integrates an advanced full-body kinematics model and a state-adaptive self-stabilization algorithm. It is capable of multi-posture control, self-stabilization on complex terrain, and descending stairs. The robot supports various control methods, including RC controller, Bluetooth, serial port, and wireless communication, allowing users to program and adjust it according to their needs. The product also comes with comprehensive installation tutorials and video courses, making it an extremely cost-effective desktop bipedal wheeled robot. [Discount on First 5 Only] From the 6th unit onward, the original price will apply.

Key Features

01 **Open-Source Design Follows open-source licensing; source code and design files are fully accessible, allowing developers to study, modify, and perform secondary development.**

02 **High-Performance Motor Control**

Equipped with FOC (Field-Oriented Control) technology, supporting open/closed-loop speed, position, and torque control for precise motion control.

03 **Powerful Hardware Support**

Powered by an ESP32 main controller with rich interfaces such as I2C, SPI, PWM, and more, enabling flexible feature expansion.

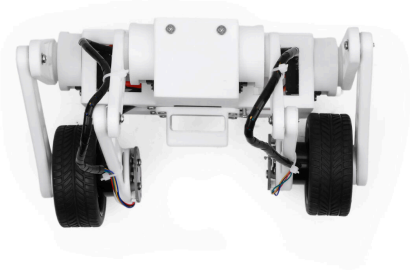
04 **Rich Functional Capabilities**

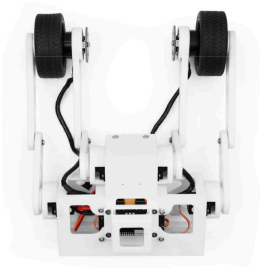
Supports self-balancing, high-speed motion, attitude stabilization, and wireless control, adaptable to various complex terrains.

05 **Easy to Learn and Use Comes with comprehensive example codes and video tutorials, significantly lowering the learning threshold for beginners.**

Product Gallery







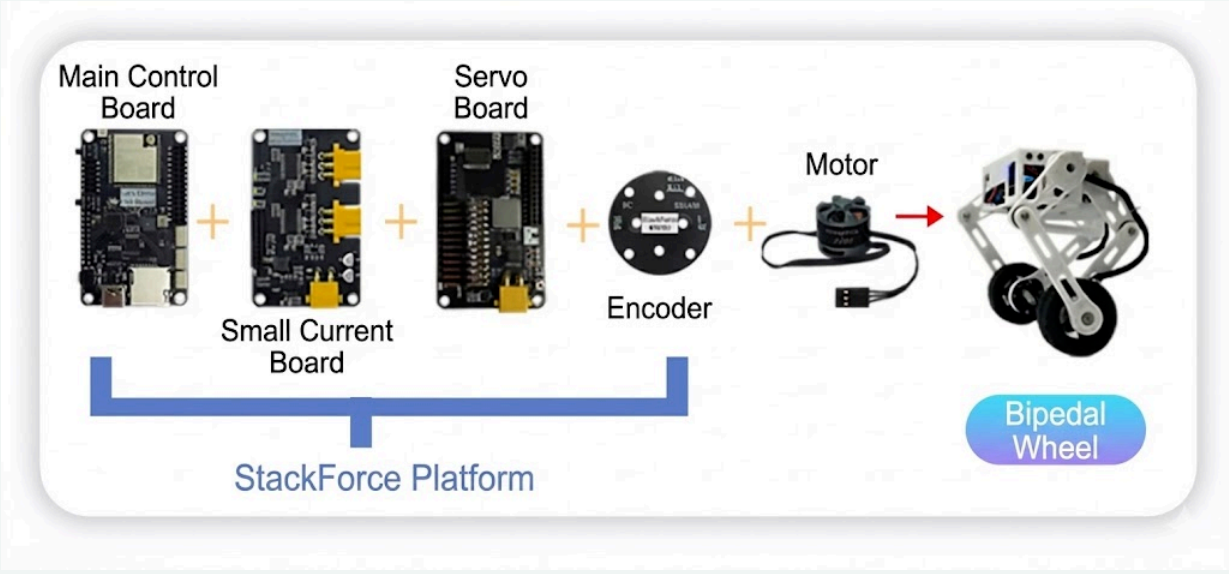






Hardware Overview







Resource Links

- https://www.seeedstudio.com/StackForce-Mini-Wheeled-Legged-Robot-p-6710.html
- GitHub - Seeed-Projects/Stackforce_Mini_Wheeled_Legged_Robot · GitHub
- Document
- Tutorial video

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