JetBot AI Kits v3.0

KIT-18486 & KIT-18487

Product Overview
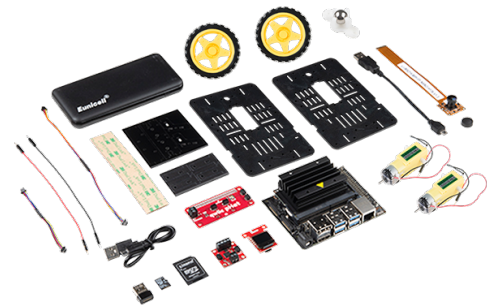09/28/2022
For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

The JetBot AI Kits v3.0 from SparkFun are robot platforms that are powered by the Jetson Nano Developer Kit V3 by NVIDIA. These kits are great launchpads for creating entirely new AI projects and help in learning AI and building fun applications. The v3.0 JetBot kits feature a Qwiic ecosystem for I^2C communication, a 136° Field-of-View (FOV) camera for machine vision, and a pre-flashed MicroSD card.

These kits offer useful tools such as the Jetson GPIO Python library and are compatible with common sensors and peripherals.

Features

- V3 includes a new image with the Nvidia Jetpack version 4.3
- Qwiic ecosystem for I^2C communication
- The ecosystem can be expanded using 4x Qwiic connectors on the GPIO header
- Compact form factor in optimizing existing neural net from NVIDIA
- 136° FOV camera for machine vision
- Pre-flashed MicroSD card
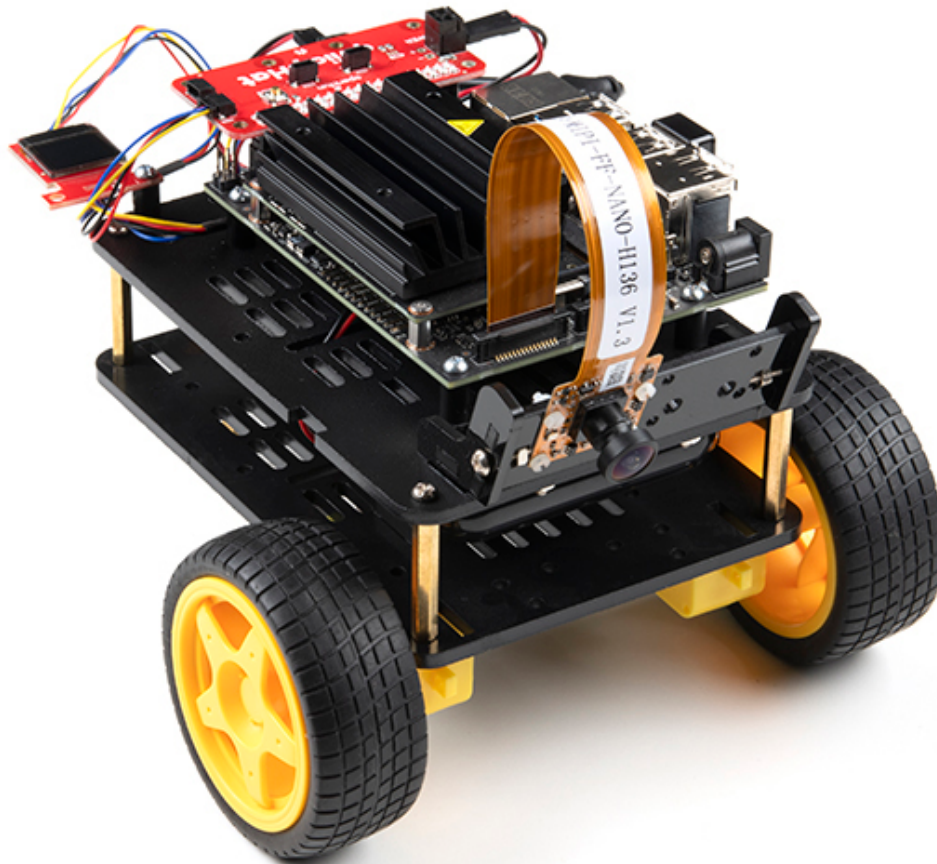- Chassis assembly offers expandable architecture

Kit Contents

- 64GB MicroSD card - pre-flashed JetBot image:
- Nvidia JetBot base image with Qwiic python library package installed
- Driver for Edimax Wi-Fi® adapter
- Greengrass
- JetBot ROS
- NVIDIA Jetson Nano Developer Kit
- Qwiic Motor Driver
- Micro OLED Breakout (Qwiic)

Learn More About

- [SparkFun Qwiic Micro OLED Breakout (LCD-14532)](#)

JetBot AI Kit v3.0 Powered by Jetson Nano in Action

Mouser Part Numbers

[View All Parts](#)

To learn more, visit https://www.mouser.com/new/sparkfun/sparkfun-jetbot-kits-v3/