ROS2 EDU KIT

Mobile Open-Source Navigation Kit

Ubuntu 20.04
Foxy Fitzroy
Navigation 2

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ABOUT PRODUCT

The kit is based on the AgileX autonomous mobile robot platform with the ROS 2 Foxy version as the core, equipped with 2D LiDAR, 9-axis IMU, a dual purpose depth camera, and other sensors. The industrial control machine adopts the X86 architecture and provides new features, including NAV 2 and Gazebo 11, which is based on the Ubuntu 20.04 system. The NAV 2 core navigation components are fully compatible with the official new features of NAV, providing a comprehensive and in-depth ROS 2 learning and research integrated robot development platform for scientific education.

LITE

PC: minipc i5 16G 256
2D Lidar: G4
Camera: RealSense D435
Display: 14 inch IPS 1920*1080 HDMI
keyboard: k400 Plus
Router: GL.iNet AR750s
USB HUB: 7-Port USB3.0 Hub / 12V
Regulated Power Supply: 12V to 5V 15A
Regulated Power Supply: 24V (15–40V) to 12V/20A

PRO

PC: minipc i7 16G 512G
3D LiDAR: RS16 (Educational Edition)
Camera: RealSense D435
Display: 14 inch IPS 1920*1080 HDMI
keyboard: k400 Plus
Router: GL.iNet AR750s
USB HUB: 7-Port USB3.0 Hub / 12V
Regulated Power Supply: 24V (15–40V) to 12V/20A
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