

LilBuddy™ AMR



Features and Overview

- Natural Feature & Magnetic Tape Hybrid Guidance
- Front and Rear 2D/3D Lidars for obstacle detection
- Small footprint and turn in place ability makes it ideal for congested or narrow areas
- Able to tow loads and drop them off automatically at a given location
- Able to work with 3rd party load handling frames.

Sensors

- 2 2D/3D Solid State Lidars
- Dual wheel encoders for velocity control and position feedback
- 9-DOF Inertial Measurement Unit
- Vision processing and live-stream video camera *(Optional)*
- Load alignment sensors on cart
- Safety light signals for movement and status alerts



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Modular Design

- Cart Pin allows for connecting 3rd party and custom LHF's
- Individual components can be replaced easily
- LHF's, work cells or attachments can communicate with **LilBuddy** wirelessly without a tether – through **BotWay**

Communication Protocols

- **LilBuddy** uses Wifi, Bluetooth & Lora technologies (*Optional*)
- **LilBuddy** communicates via MQTT to **BotWay**, 3rd party Fleet Managers or IIOT devices directly
- Our smartphone app can be used to manually control **LilBuddy**



Specifications

Battery Capacity

18 Amp hours

Operating Voltage

24v DC

Avg Runtime (nonstop)

12 Hours

2D Lidar Range

120 Degree
8in x 315in

3D Lidar Range

60 Degree
2in x 79in

Towing Capacity (LBs)

200 Lbs

Size (Inches)

17in x 17in x 12in

Weight (LBs)

50 Lbs

