

Axiomtek AMR Builder Package





Cynric ChiuProduct Manager, Axiomtek



To Accelerate Your AMR Business



AMR Controller



AMR Builder

Package

Software Package

III ROS 2 **docker**

Sensor Kit









Development Support Services







AMR Controller

Rugged yet modular design. Minimize your efforts and costs.

Extreme Compact Design and Front I/O

- Ideal Design for AMR
 - ✓ 12th Gen Intel® Core™ mobile processors 15W CPU



- ✓ Anti-vibration vehicle connector
- ✓ GMSL interface
- ✓ Al accelerator module
- ✓ 9-60V power input
- ✓ Operating temperature from -20°C to 70°C
- Flexible Expansion Board
 - ✓ I/O protection
 - ✓ Customized option



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DigiHub for AMR

Axiomtek AMR builder package aims to accelerate time-to-market through a complete support program. System integrators can build a working AMR rapidly and easily.

Features and Advantages Moving Mission Control Stack **ROS2 Nodes with Docker Images** Web **IO** Module State ✓ Intel® Edge Insights for AMR Machine Axiomtek nodes Emergency BMS node Button ✓ SLAM and navigation nodes GMSL Camera and Sensor Fusion Basic Advance Web-based Management System AprilTag and Shape Detection Precise Positioning and Obstacle Avoidance



Sensor Kit

Rich choices, reduce efforts, and build a smart AMR easily.

Pre-test Sensors and Customization Service

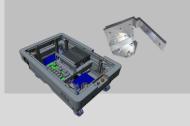
Sensor AVL

- ✓ LiDAR
- √ 3D camera
- ✓ Ultrasonic
- ✓ IMU
- ✓ Motor controller



Mechanical Parts

- ✓ LiDAR's bracket
- ✓ Chassis
- ✓ Motor mounting



Cables and Connectors

- ✓ Anti-vibration connectors
- ✓ High-quality cables





Development Support Services

From our experience to yours

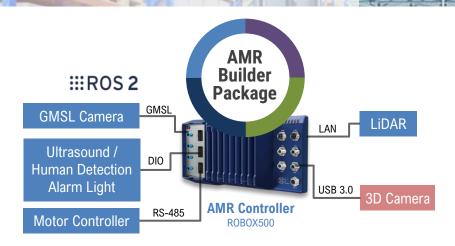
Focused on Driverless Industrial Trucks

- Reference Design
 - ✓ Vehicle body
 - ✓ Sensors' placement
 - ✓ Repeat accuracy: 10mm
 - ✓ Positioning accuracy: 10mm
 - ✓ Control accuracy: 1mm
- Design Guide
 - ✓ Software API manual
 - Mechanical
 - ✓ White paper





- Long-range camera connection
- Al accelerator support
- Fast deployment with software toolkit
- Compatible sensors and lockable I/O







Thank You

Axiomtek.com

info@axiomtek.com.tw







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Performance varies by use, configuration and other factors. Learn more on the Performance Index site.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details. No product or component can be absolutely secure.

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