



Axon

CLOUD ROBOTICS SOLUTIONS

Transforming wheel-based carrier devices and mobility platforms into autonomous and smart solutions for custom material handling applications

Technical Specifications

PHYSICAL SPECIFICATIONS	
Dimensions (L x W x H)	0.65 m x 0.45 m x 1.95 m (Standard) 1.08 m x 0.45 m x 1.95 m (Flat Bed)
Weight	50 kg (Standard) 80 kg (Flat Bed)
PERFORMANCES	
Load Handling	
Load Capacity	Typical: 200 kg, Max: 400 kg
Speed	Typical: 0.5 m/s, Max: 1.0 m/s
Maximum Gradient (slope)	4.0 degrees Inclination
Turn Radius	≥ 0 m, depending on load
Automatic Load Attachment Capability	Available as upgrade option
Navigation	
Navigation Sensor	LIDAR sensor suite
Operating Modes	Autonomous mode (default) Manual mode via local controller
Routes Management	CloudNav routes planning for optimized navigation
Traffic Management	CloudNav centralized traffic management of fleet of Axons
Multi-Sector Navigation	Ability to work with auto-door control system to access different parts of the work area
Multi-Floor Navigation	Ability to work with service lift control system to serve multiple levels
Navigation Accuracy	±0.10 m



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