AMR T411

ABB

The perfect automation solution: easy to install, easy to manage and easy to maintain.

Our AMR T411 performs logistic transportation in an industrial environment in a fully automatic and safe way.

This mobile robot is a robust, reliable and well-established vehicle in the market. It passes the most rigorous validation checks, working in countless automatic logistical projects and processes with intensive use.

Featured by its proven performance, AMR T411 provides optimal availability which leads to high productivity, lower operating costs and time savings.

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Robust
Reliable solution for transporting up to 600 N. AMR T411's fast charging technology enables higher availability even in intensive use (3 shifts 24/7). Equipped with an advanced lithium battery, the robot's battery lifetime is increased fourfold and maintenance is reduced.

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Simple
Our unique safety design integrates a safety PLC, a state-of-the-art safety laser and advanced safety control algorithms.

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Flexible
Easy to integrate, ensuring great flexibility when organizing the industrial flows being automated. The vehicle is designed to reach very low and high speeds to suit different applications with precise stopping accuracy.

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Connected
Through real-time communication and by monitoring every vehicle of each unit or system.

Towing capacity	600 N
Maximum payload	1200 kg
Dimensions (L×W×H)	1700 × 520 × 370 mm
Movement	Unidirectional
Navigation system	Magnetic + RFID tags
Speed range	From 0.01 to 1.2 m/s
Turning radius	1150 mm
Positioning accuracy	Up to ± 10 mm
Manual movement	Control Pad Clutch system
Battery	Li-Ion 24 V 40 Ah
Charging system	Online charging system (brushes) External charger
Environment	Indoor
Safety systems	1 × Safety PLC 1 × Safety laser for indoor environment 1 × Emergency stop button
Optional elements	M2M module + Connected Services Rear hook Extra I/O connector
Fleet management system	SIGAT MultiAGV SIGAT PLC
Communication	WiFi Radio frequency system M2M
Connectivity	1 × HMI, WIFI; USB & Ethernet (optional) Through IT: capture boxes, PLC interface (OPC), ERP, MES, WMS, tablets

370 mm

520 mm

1700 mm