



# AGV **M4**

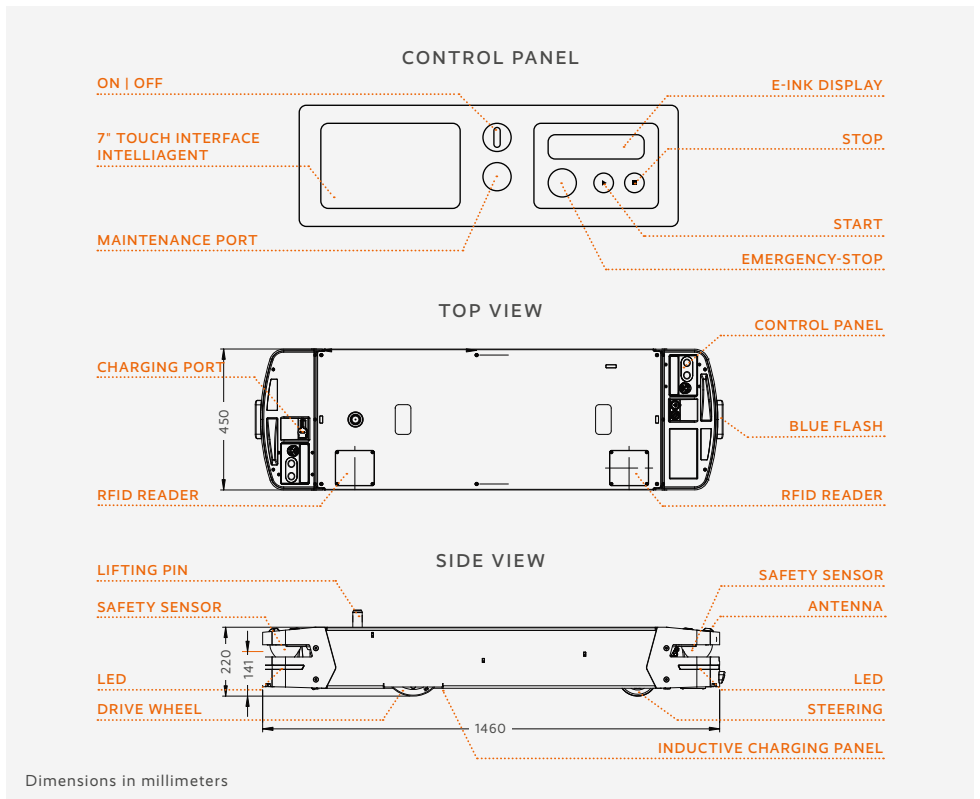
MOBILE TRANSPORT ROBOT

[DATASHEET](#) | [LIFTING PIN](#)

**SAFELOG**

# GENERAL INFORMATION

- Forward and reverse drive
- Wear-free charging during operation due to inductive charging system
- Scalable battery capacity with LiFePO4 batteries to adapt to process requirements
- Flat design with only 220 mm height – ideal for driving underneath trolleys
- Agent-based system that enables communication between the AGVs and their environment
- Electric lifting pin for towing trailers up to 1500 kg\*
- Driving speeds from 0.02 m/s up to 1.6 m/s
- Navigation: track guided (magnetic track or virtual track) as well as free navigation in space
- Hybrid localization: contour detection, camera, RFID, odometry and magnetic track
- Safety laser scanner in each direction of travel



# TECHNICAL INFORMATION

## PRODUCT

Product name	SAFELOG AGV M4
Article number	106148

## ELECTRIC DATA

Operating voltage AGV (V)	24 DC
Charging time with inductive charger (for 1/2/3/4 batteries) (min)	30   40   60   80*
Nominal voltage (V)	24
Capacity (for 1/2/3/4 batteries) (Ah)	21   42   63   84

## OPERATION DATA

Temperature range (°C)	+5 to +35
Positioning accuracy (mm)	+/- 5*
Min. turning radius (m)	1.0
Max. speed with/without payload (m/s)	1.0   1.6*
Continuous driving without payload (for 1/2/3/4 batteries) (h)	4   8   12   16*

## MECHANICAL DATA

Casing material	Steel
Dimensions L   W   H (mm)	1460   450   220
Weight AGV (kg)	235
Max. topload AGV (kg)	300*
Max. tow weight AGV (trolley) (kg)	1500*
Max. traverse path (lifting pin) (mm)	55

\*environment-dependent

