



AGV **M4**

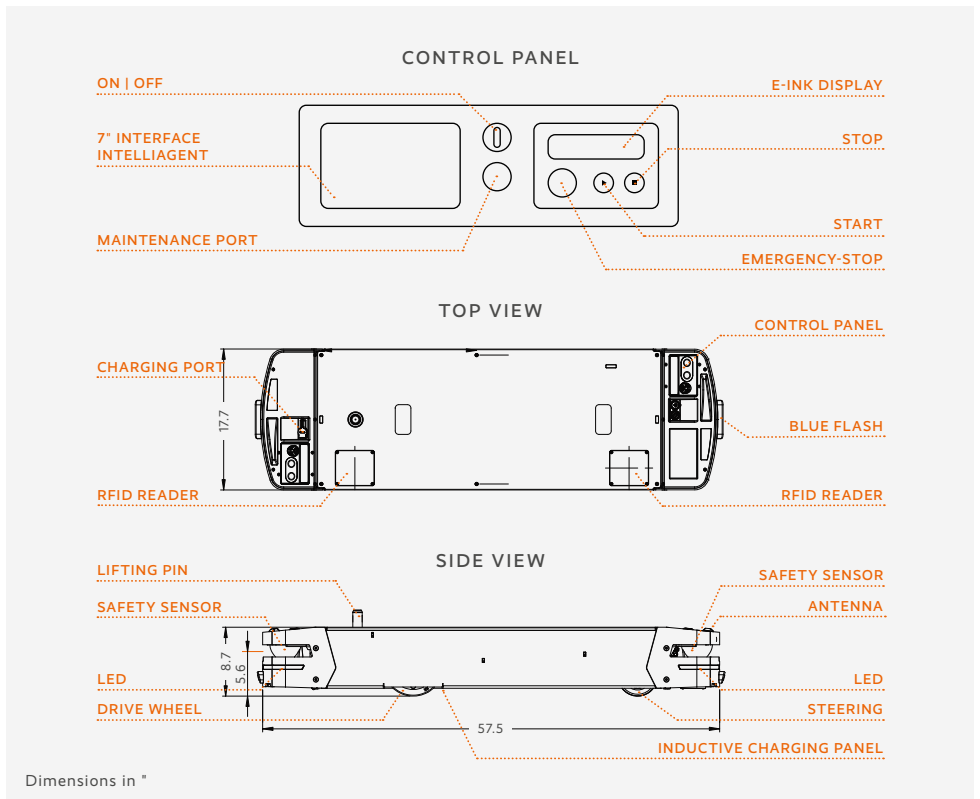
MOBILE TRANSPORT ROBOT

[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 8.7 " 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 3300 lbs*
- Driving speeds from 0.05 mph up to 3.6 mph
- 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 (°F)	+41 to +95
Positioning accuracy (")	+/- 0.2*
Min. turning radius (")	39
Max. speed with/without payload (mph)	2.2 3.6*
Continuous driving without payload (for 1/2/3/4 batteries) (h)	4 8 12 16*

MECHANICAL DATA

Casing material	Steel
Dimensions L W H (")	57.5 17.7 8.7
Weight AGV (lbs)	518
Max. topload AGV (lbs)	660*
Max. tow weight AGV (trolley) (lbs)	3300*
Max. traverse path (lifting pin) (")	2.2

*environment-dependent

