



AGV X1

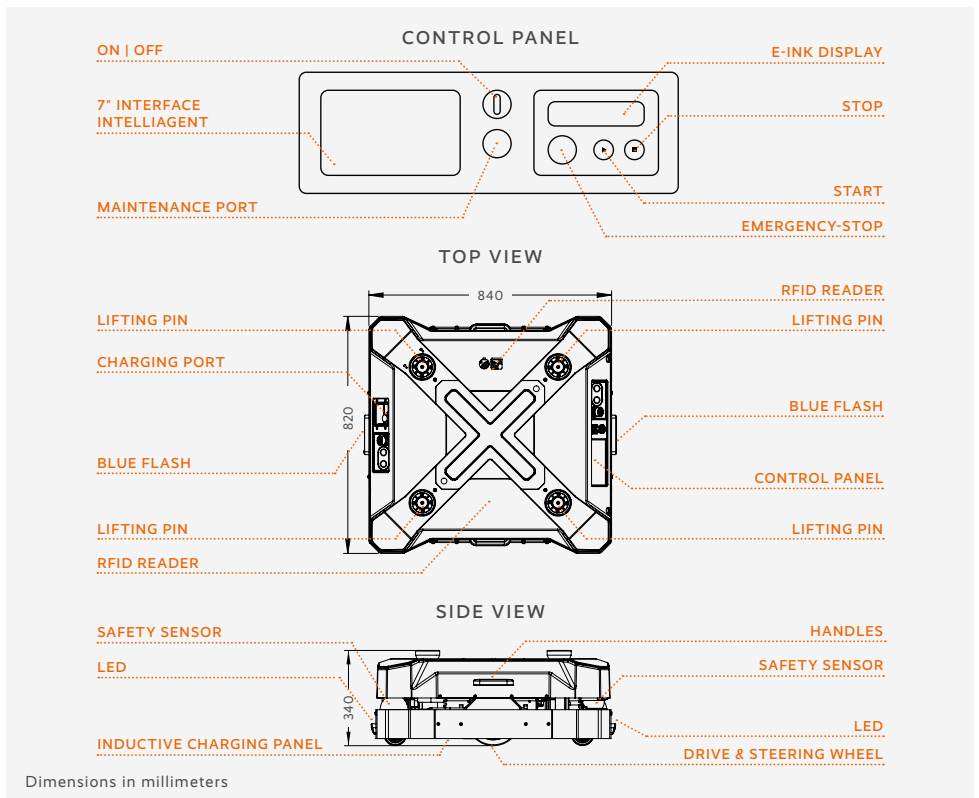
MOBILE TRANSPORT ROBOT

DATASHEET AGV X1 1500

SAFELOG

GENERAL INFORMATION

- Forward and reverse drive
- Differential drive enables turning on the spot
- Wear-free charging during operation due to inductive charging system
- Scalable battery capacity with LiFePO₄ batteries to adapt to process requirements
- Agent-based system that enables communication between the AGVs and their environment
- Electric lifting pin for lifting payloads 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: grid-sensor, contour detection, camera, RFID, odometry and magnetic track
- Safety laser scanner in each direction of travel



TECHNICAL INFORMATION

PRODUCT

Product name	SAFELOG AGV X1
Article number	106967

ELECTRIC DATA

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

OPERATION DATA

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

MECHANICAL DATA

Casing material	Steel/technopolymers
Dimensions L W H (mm)	840 820 340**
Weight AGV (kg)	215
Max. topload AGV (kg)	1500*
Max. traverse path (lifting pin) (mm)	120

*environment-dependent

**without optional accessories

