

175 kg

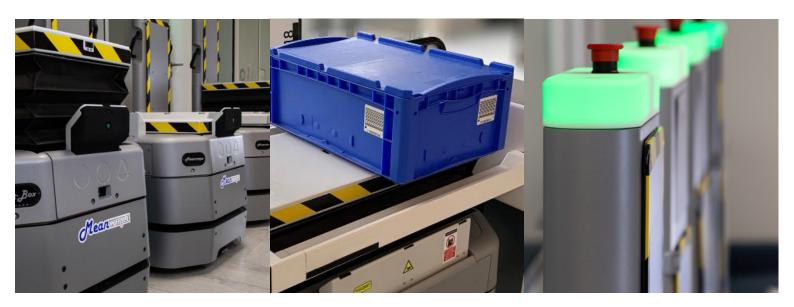
Payload

120 km

Average km completed per month

1.20 m/s

Max speed



Lifting platform

Its lifting platform, equipped with a crate centering device, allows it to dock autonomously with passive fork racks.

High transport capacity

Evy-Box can carry loads of 175 kg by storing up to two 600 x 400 mm Eurostandard boxes next to each other.

Safe

Designed according to a risk analysis following the Machinery Directive 2006/42/EC and the standard ISO 3691-4.

Ontion





RFID Reader



Acuity Localization



A turnkey solution

Automatic Delivery















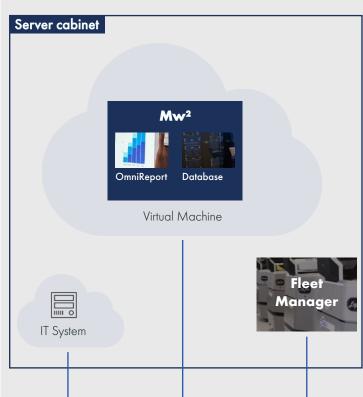
gation Load Tra

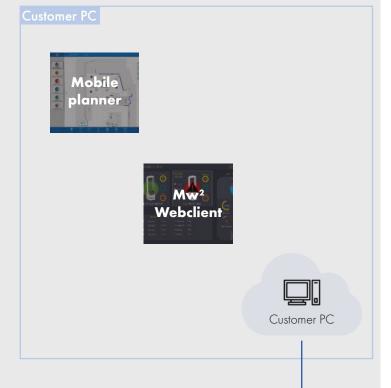
Transport

pad Navigation

 $New\ mission$

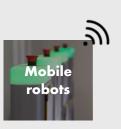






Réseau client

Factory













Technical specifications





General

Max. speed

Dimension (LxWxh)

Mechanical weight



Application

Technology

Max. transfer height

Min. transfer height

Up and down system speed

Payload

Size of the embedded containing



Mobility

Navigation

Environmental map making method

Move



Human-Machine interface

Touchscreen

Manual Mode



Environnement

Operating temperature range

IP Class

Application environment

Climb grade

Floor requirement

1.20m/s (4,32km/h)

1000 x 718 x 1500 mm (1000mm diameter)

223 kg

Lifting platform

Automatic boxs centring device

900 mm

700 mm

1,5m/minute

175 kg

800x600mm, 2(600x400)

Autonomous routing by localizing with safety scanning laser based on environment mapping.

Scan by walking the mobile robot through the environment.

Avoidance and bypassing of obstacles by calculating a new trajectory.

7" TFT LCD screen, 800x480 pixels

Two push buttons to move the robot manually if necessary

5 - 40° C

IP20

Indoor use only, limited dust and oil suspension

Flat floor only

Linoleum, epoxy or concrete (no water, no oil, no dust)







Technical specifications





Safety

Safety laser scanner

Located at the front, Class 1 PLd Safety by ISO-13849 Max. range: 40m Field of view: 240°.

Low front laser

Front located, Class 1

Max. range: 4m

Field of view: 126°.

Side lasers On both sides of the mobile robot, Class 1

Max. range : 4m Field of view: 270°.

Emergency Stop 2 on each side of the robot

Rear Sonar Time-of-flight (TOF) sensors

Front bumper At front of platform, 2 pairs of sensors

Warning lights

Light discs on each side
Upper LED strips

Speaker and buzzer

3.5", 80W max



Battery

Run time ± 10 hours

Recharge time ± 4 hours

Voltage 22-30 VDC LiFePO4

Capacity 72 Ah nominal capacity

Battery life time 2 000 recharge cycles

Charging method Automatic, manual



Communication

WI-FI IEEE 802.11 a/b/g

Bluetooth Bluetooth 2.+ERD



Declaration

EC Declaration of conformity

CE Marking

