TECHNICAL SPECIFICATIONS

GoPal[®] E24W

The **GoPal** AMR solution from Robotize sets new standards for versatility, efficiency and safety in automated material transportation



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APPLICATION

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering standard Euro-pallets/half Europallets/industrial Euro-pallets with medium-to-very heavy payload (max. 1200 kg).

DIMENSIONS

Length x Width x Height 1400 x 1060 x 340 mm Robot weight 215 kg

PERFORMANCE

Battery time (autonomy)	6-14 hours or 20 km*
Maximum speed	2,2 m/s (7,9 km/h)*
Turning radius (from robot centre)	1000 mm

SAFETY

Laser scanners (360° protection) Mechanical bumper (360° protection) 4 x emergency stop buttons

ADDITIONAL OBSTACLE AVOIDANCE SENSORS

3 x 3D cameras (two front facing and one rear facing)

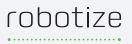
BATTERY

Type / VoltageLiFePO4 / 48 VCharge time45 minutes (full charge)Number of chargesAbout 5000

CHARGER INTERFACE

Automatic docking interface (at robot front) Connector for manually charging (at robot rear)





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COMMUNICATION	
Wi-Fi	802.11ac
ENVIRONMENTAL	
Operating temperature	-10°C to +45 °C
Humidity (max.)	95% (non-condensing)
FLOOR REQUIREME	NTS
Slope average (max.)	Near-level (2 %)
Friction coefficient (min.)	0,60
Edge height (max.)	3 mm
LOAD	
Payload (max.)	1200 kg
Length (max.)	1240 mm
Width (max.)	1000 mm
Height (max.)	2400 mm*

PALLET TYPES

Standard Euro-pallets, standard half Euro-pallets and Industrial Euro-pallets. Others on inquiry.

PALLET CONDITION

Undamaged, original strength maintained (grade A or B)

LANE CONDITIONS

Minimum lane width	1400 mm
Recommended lane width	2300 mm
High speed lane width	3000 mm

*depending on load conditions.





Robotize official partner



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