GoPal® E24W

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

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TECHNICAL SPECIFICATIONS
GoPal® E24W

APPLICATION

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering standard Euro-pallets/half Euro-pallets/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)

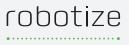4 x emergency stop buttons

ADDITIONAL OBSTACLE AVOIDANCE SENSORS

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

BATTERY

Type / Voltage	LiFePO$_4$ / 48 V
Charge time	45 minutes (full charge)
Number of charges	About 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 REQUIREMENTS

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.
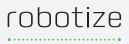
PALLET CONDITION

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.

Due to a policy of continued product development Robotize reserves the right to alter or amend any specification without notice.

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Advanced internal logistics
made safe and simple