

# GoPal® E24W

The **GoPal** AMR solution from Robotize sets new standards for versatility, efficiency and safety in automated internal pallet transport



Technical Specifications

GoPal E22 / GoPal E24 / **GoPal E24W** / GoPal U24W

# 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 <sub>4</sub> / 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)

*\*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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## GoPal® E24W

### 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.*

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