

# GoPal<sup>®</sup> E22

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



# TECHNICAL SPECIFICATIONS

## GoPal<sup>®</sup> E22

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### APPLICATION

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering standard Euro-pallets/half Euro-pallets with low-to-medium weight payload (max. 500 kg).

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### DIMENSIONS

Length x Width x Height	1400 x 860 x 340 mm
Mass	187 kg

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### PERFORMANCE

Battery time (autonomy)	6-14 hours or up to 20 km*
Maximum speed	2,4 m/s (8,6 km/h)*
Turning radius (from robot centre)	950 mm

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### SAFETY

- Laser scanners (360° protection)
  - Mechanical bumper (360° protection)
  - 4 x emergency stop buttons
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### ADDITIONAL OBSTACLE AVOIDANCE SENSORS

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

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### BATTERY

Type / Voltage	LiFePO <sub>4</sub> / 48 V
Charge time	45 minutes (full charge)
Number of charges	About 5000

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### CHARGER INTERFACES

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

Wi-Fi 802.11ac

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### ENVIRONMENTAL

Operating temperature -10°C to +45 °C  
Humidity (max.) 95% (non-condensing)

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### FLOOR REQUIREMENTS

Slope average (max.) Near-level (2 %)  
Friction coefficient (min.) 0,60  
Edge height (max.) 4 mm

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### LOAD

Payload (max.) 500 kg  
Length (max) 1240 mm  
Width (max) 820 mm  
Height (max) 2400 mm\*

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### PALLET TYPES

Standard Euro-pallets and Standard half Euro-pallets. Others on inquiry.

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### PALLET CONDITION

Undamaged, original strength maintained (grade A or B)

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### LANE CONDITIONS

Minimum lane width 1200 mm  
Recommended lane width 2100 mm  
High speed lane width 2800 mm

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*\*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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