

GoPal[®] E24

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



TECHNICAL SPECIFICATIONS

GoPal[®] E24

APPLICATION

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering standard Euro-pallets/half Euro-pallets with medium-to-heavy payload (max. 1000 kg).

DIMENSIONS

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

PERFORMANCE

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

TECHNICAL SPECIFICATIONS

GoPal[®] E24

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.) 4 mm

LOAD

Payload (max.) 1000 kg
Length (max.) 1240 mm
Width (max.) 820 mm
Height (max.) 2400 mm*

PALLET TYPES

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

PALLET CONDITION

Undamaged, original strength maintained (grade A or B)

LANE CONDITIONS

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

robotize



Advanced internal logistics
made safe and simple

www.robotize.com