

GoPal[®] P35

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



TECHNICAL SPECIFICATIONS

GoPal[®] P35

APPLICATION

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering payloads up to 250 kg // 550 lbs using either custom top modules/equipment or top modules/equipment from leading suppliers.

PHYSICAL CHARACTERISTICS

Length x Width x Height	960 x 660 x 295 mm // 37.8 x 26 x 11.6 in
Mass	95 kg // 210 lbs

PERFORMANCE

Battery time (autonomy)	8-14 hours or up to 20 km* // 12 miles*
Maximum speed	2,2 m/s (8 km/h)* // 7.2 ft/s (5 MPH)
Turning radius (from robot centre)	660 mm // 26 in

SAFETY

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

ADDITIONAL OBSTACLE AVOIDANCE SENSORS

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

BATTERY

Type / Voltage	LiFePO ₄ / 24 V nom.
Charge time	45 minutes (30-95%)
Number of charges	About 5000

CHARGER INTERFACES

- Wireless charging system (under robot)
- Physical connector for manually charging (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.

*** Preliminary ***

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COMMUNICATION

Wi-Fi 802.11ac

ENVIRONMENTAL

Operating temperature -10 °C to +45 °C // +14 °F to +113 °F

Humidity (max.) 95% (non-condensing)

FLOOR REQUIREMENTS

Slope average (max.) Near-level (2 %)

Friction coefficient (min.) 0,70 // 0.70

Edge height (max.) 2 mm // 0.08 in

LOAD

Load (max.) 250 kg // 550 lbs

Length (max.) 800 mm // 31.5 in

Width (max.) 600 mm // 23.6 in

Height (max.) 1200 mm* // 47.2 in*

INTERFACES FOR TOP MODULES

Mechanical Top plate with threaded holes

Electrical Power (24V / 20A unreg.)
Safety Signals (PL d)
Control Signals (GPIO/CAN/Ethernet)

LANE CONDITIONS

Minimum passage width 760 mm // 29.9 in

Minimum lane width 960 mm // 37.8 in

Recommended lane width 2000 mm // 78.7 in

High speed lane width 2600 mm // 102.3 in

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Advanced intralogistics
Safe • Simple • Scalable