TECHNICAL SPECIFICATIONS

GoPal[®] E24

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







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APPLICATION

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

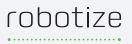
BATTERY

Type / VoltageLiFePO4 / 48 VCharge time45 minutes (full charge)Number of chargesAbout 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 REQUIREME | NTS |
| 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.





Robotize official partner



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