

# GoPal® U24W

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



# TECHNICAL SPECIFICATIONS

## GoPal® U24W

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### APPLICATION

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering US/UK pallets with medium-to-high payload (max. 1200 kg // 2640 lbs)

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### DIMENSIONS

Length x Width x Height	1400 x 1060 x 340 mm // 55.12 x 41.73 x 13.39 in
Mass	242 kg // 534 lbs

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### PERFORMANCE

Battery time (autonomy)	6-14 hours or up to 20 km* // 12.4 miles*
Maximum speed	2,2 m/s (7,9 km/h) // 7.2 ft/s (4.9 MPH)
Turning radius (from robot center)	1000 mm // 39.4 in

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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 INTERFACE

Automatic docking interface (front)  
Connector for manually charging (rear)

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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.) 0,60 // 0.60

Edge height (max.) 3 mm // 0.12 in

### LOAD

Payload (max.) 1200 kg // 2640 lbs

Length (max.) 1240 mm // 48.82 in (4.06 ft)

Width (max.) 1020 mm // 40.16 in (3.34 ft)

Height (max.) 2400 mm\* // 94.50 in\* (7.87 ft\*)

### PALLET TYPES

US or UK pallets.

### PALLET CONDITION

Undamaged, original strength maintained

### LANE CONDITIONS

Minimum lane width 1400 mm // 55.12 in (4.60 ft)

Recommended lane width 2300 mm // 90.50 in (7.55 ft)

High speed lane width 3000 mm // 118 in (9.84 ft)

\*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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