

# GOPAL® U24W

Our GoPal® solution sets new standards  
for flexibility, safety and efficiency in  
automating your intralogistics



Our GoPal® autonomous mobile robots (AMRs) are deployed in just a few days, easily scaled and ready to safely move heavy loads from day one.

# TECHNICAL DATA

## GOPAL<sup>®</sup> U24W

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### APPLICATION

Autonomous mobile robot (AMR) for transporting very high loads on US/UK pallets.

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### DIMENSIONS & WEIGHT

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

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### PERFORMANCE

Battery time      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      1000 mm // 39.4 in (from robot centre)

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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 min. (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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*\*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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# TECHNICAL DATA

## GOPAL® U24W

### 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

Maximum edge height 3 mm // 0.12 in

### LOAD

Maximum payload (incl. pallet) 1230 kg // 2711 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

The GoPal® U24W is specifically designed for handling US/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

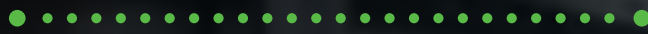
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Automate your intralogistics