GoPal® U24W

The GoPal AMR solution from Robotize sets new standards for versatility, efficiency and safety in automated internal pallet transport

TECHNICAL SPECIFICATIONS
GoPal® U24W

APPLICATION

Autonomous Mobile Robot (AMR) for transporting very high loads (max. 1200 kg // 2645 lbs) on US/UK pallets.

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

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

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

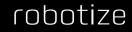|	
Type / Voltage	$LiFePO_4$ / 48 V
Charge time	45 minutes (full charge)
Number of charges	About 5000

CHARGER INTERFACE

Automatic docking interface (front)

Connector for manually charging (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.

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

LOAD

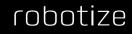|	
Payload (max.)	1200 kg // 2645 lbs
Length (max.)	1240 mm // 48.82 in (4.06 ft)
Width (max.)	1020 mm // 40.16 in (3.34 ft)
Height (max.)	2400 mm* // 94.50 in* (7.87 ft*)

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

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Advanced internal logistics
made safe and simple