GoPal® E22
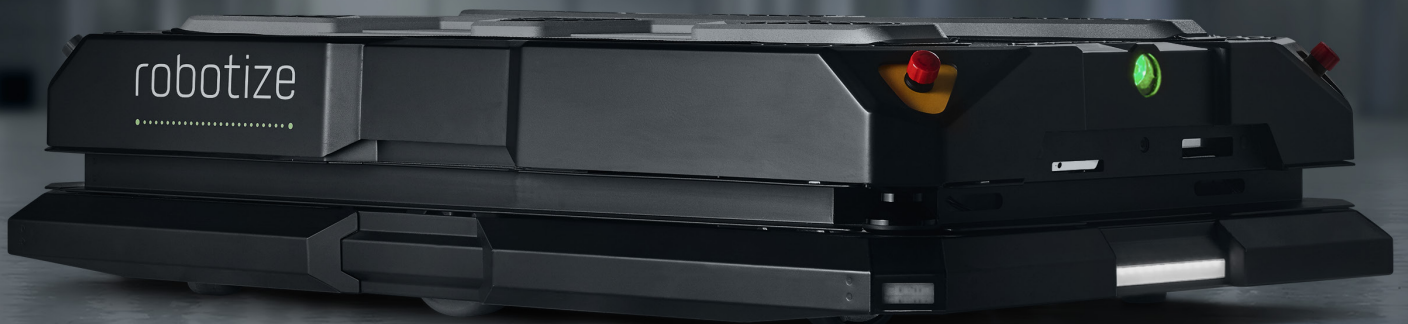
The GoPal AMR solution from Robotize sets new standards for versatility, efficiency and safety in automated material transportation

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TECHNICAL SPECIFICATIONS
GoPal® E22

APPLICATION

Autonomous Mobile Robot (AMR) for automatically picking up, transporting and delivering standard Euro-pallets/half Euro-pallets with low-to-medium weight payload (max. 500 kg).

DIMENSIONS

Length x Width x Height	1400 x 860 x 340 mm
Mass	187 kg

PERFORMANCE

Battery time (autonomy)	6-14 hours or up to 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 / Voltage	$LiFePO_4$ / 48 V
Charge time	45 minutes (full charge)
Number of charges	About 5000

CHARGER INTERFACES

Automatic docking interface (at robot front)

Connector for manually charging (at robot rear)

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TECHNICAL SPECIFICATIONS
GoPal® E22

COMMUNICATION

Wi-Fi	802.11ac

ENVIRONMENTAL

Operating temperature	-10°C to +45 °C
Humidity (max.)	95 % (non-condensing)

FLOOR REQUIREMENTS

Slope average (max.)	Near-level (2 %)
Friction coefficient (min.)	0,60
Edge height (max.)	4 mm

LOAD

Payload (max.)	500 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.

Due to a policy of continued product development Robotize reserves the right to alter or amend any specification without notice.

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Advanced internal logistics
made safe and simple