PUDU T600 Series

Heavy-payload Industrial Delivery Robot

- 600 KG Payload Capacity
- Rack Group Recognition
- Idle Elevator Priority Scheduling
- Two Modes, Freely Selectable
- Support VDA5050 Protocol
- On-premises Deployment

PUDU

Two modes, Freely Selectable.

- Equipped with a built-in screen, it can be operated directly without a central control system.
- Includes a power-assist switch, quick-access buttons, and front indicator for easy and efficient use.
- Compact form allows it to travel underneath rack units, enabling flexible navigation.
- Capable of lifting cargo from the center underneath, requiring minimal path clearance.

600 KG Payload Capacity

With a 600 KG payload capacity, the T600 is built for heavy-payload material transport, greatly reducing delivery frequency and improving efficiency per trip.
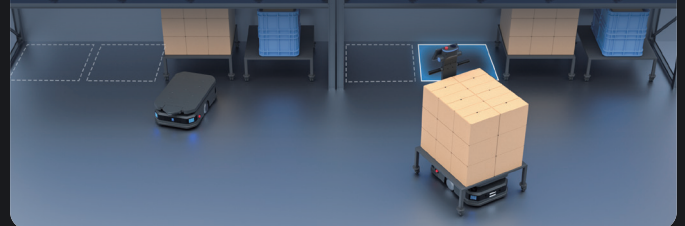
600KG

Narrow Aisle Intelligent Traffic Strategy

Based on path width and the robots' real-time load dimensions, the system intelligently determines whether to apply single-lane or dual-lane traffic modes.

Rack Group Recognition

Powered by advanced navigation and perception systems, the T600 series intelligently identifies target storage locations and autonomously performs pick-and-place operations.
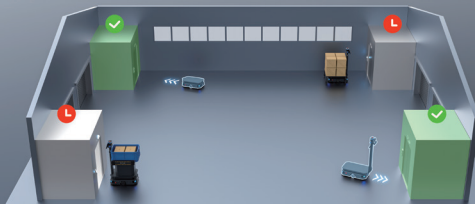
Support VDA5050 Protocol

Compatible with the VDA5050 standard communication protocol, enabling collaborative scheduling with other compliant robots and systems.

Idle Elevator Priority Scheduling

In busy multi-elevator scenarios, the system intelligently calls idle elevators first. The system monitors elevator status in real time, prioritizing available elevators to avoid peak-time congestion and resource waste.

Specifications

Name	PUDU T600	PUDU T600 Underride
Dimensions	960 mm * 500 mm * 1350 mm (37.8 in * 19.7 in * 53.1 in)	845 mm * 500 mm * 255 mm (33.3 in * 19.7 in * 10.0 in)
Weight	112 KG / 247 lbs	94 KG / 208 lbs
Maximum load	600 KG (1322 lbs)	600 KG (1322 lbs)
Battery Capacity	30 AH	30 AH
Charging Time	2 H (from 0% to 90%)	2 H (from 0% to 90%)
Run-time	12 H (none load)	12 H (none load)
Cruise Speed	0.2~1.2 m/s (0.67~3.94 ft/s)	0.2~1.2 m/s (0.67~3.94 ft/s)
Navigation Method	VSLAM + LiDAR SLAM	LiDAR SLAM only
Minimum Passability	70 cm (27.6 in)	65 cm (25.6 in)
Max. surmountable height	10mm (0.39 in)	10mm (0.39 in)
Max. surmountable gap	35 mm (1.38 in)	35 mm (1.38 in)
Operating Environment	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)

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