

TIAGo[®] BASE NEW GENERATION

TECHNICAL SPECIFICATIONS

Payload

150 kg

Dimensions

615 x 525 x 295 mm

Weight

47 kg

Max. speed

1m/s

Autonomy

8h

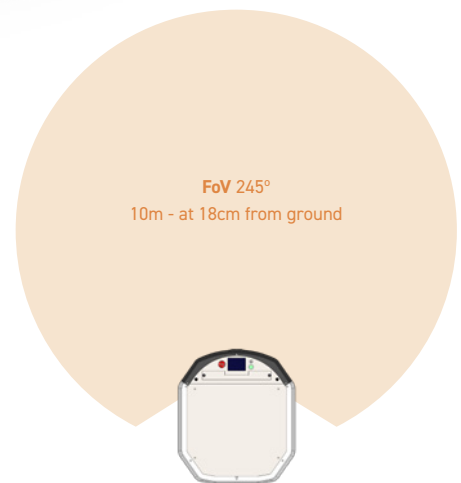
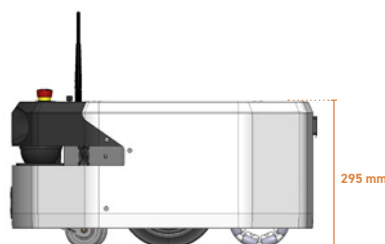
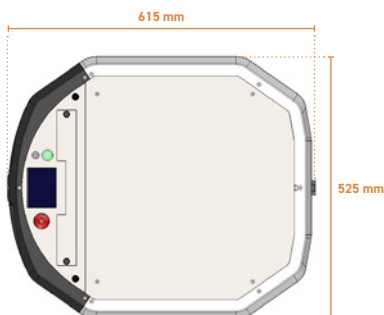
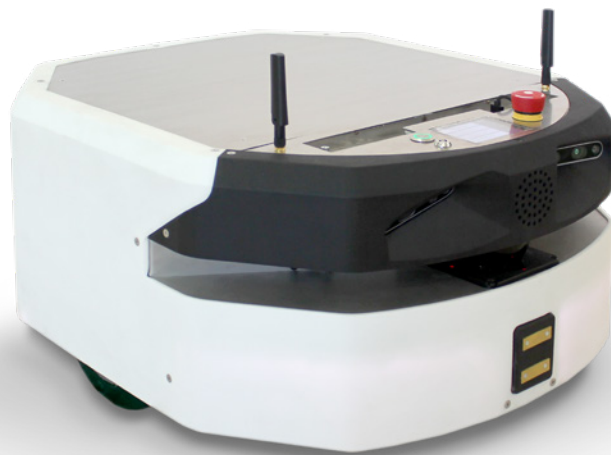
Traversable gap

40 mm

TIAGo Base New Generation

New stronger base for industrial use

Able to carry payloads of up to 150 kg in any indoor environment. Thanks to the built-in insulation from wet floors, the robot is also suitable for use in harsh conditions. The improved suspension system, along with the integrated brakes, safety lasers and a wider field of view (2 embedded RGB-D cameras) allow for safe and easy operation. The provided visual programming of tasks enables effortless deployment and control of the solution, as well as collaboration with people and fleets of robots.



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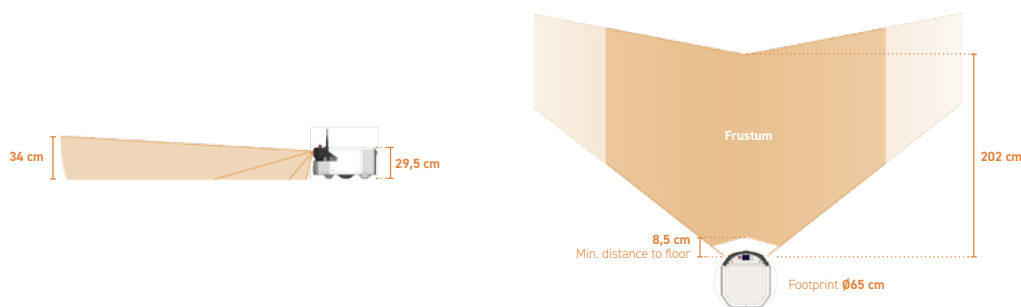
TECHNICAL SPECIFICATIONS

FEATURES	Rotation diameter	650mm
	Wheels	Shock absorbing caster wheels Suitable for agroalimentary
	Active ventilation	✓
	IMU	✓
	Differential platform	✓
	Speaker	✓
	On/Off push button	✓
	Emergency stop	✓
	Power charger	✓
	Tactile control display	✓
Indication lights	✓	

USER PANEL	Expansion	10x GPIO
	Power	Battery / +12V / +5V
	Power connector	✓

CONNECTIVITY	Wi-Fi	Intel [®] Wi-Fi 6AX201(802.11ax Dual Band 2x2)
	Bluetooth	5.2
	Ethernet	Gigabit
	USB	2x USB 3.0 / 4x USB 2.0

VISION	Depth Technology	Stereoscopic
	Depth Field of View	87° × 58°
	RGB-D Sensor Field Of View	69° × 42°
	Cameras	6DoF
	LiDAR	Sick NanoScan3 Core 0 2x Intel [®] RealSense™ D435i



SOFTWARE	Ubuntu LTS + ROS	✓
	Navigation software	✓

OPTIONALS	CPU	i7	Additional battery	✓
	RAM	16 GB	2x channel CAN Board	✓
	SSD	500 GB	Dock station	✓