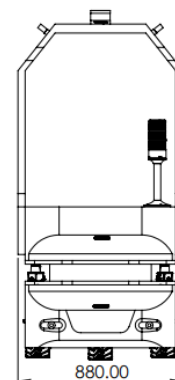
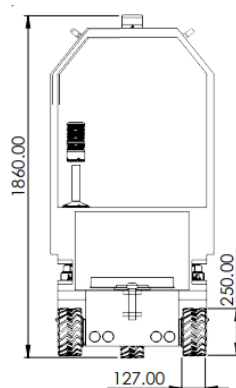
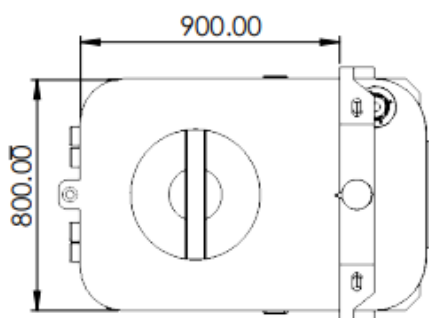


TECHNICAL SPECIFICATION GT-XT1000



ROBOT DIMENSION & WEIGHT

LENGTH X BREADTH X HEIGHT (L X B X H)	1275 * 800 *1900 (mm)
SELF WEIGHT	350 Kg
GROUND CLEARANCE	120 mm
TURNING RADIUS	800 mm Radius
SUSPENSION	Passive

PERFORMANCE & BATTERY

MAX. PAYLOAD	1000 kg
MAX SPEED	1.5 meter per second
MAX TURNING SPEED	30 degree per sec
POSITIONING ACCURACY	*+/- 5CM
MIN.AISLE WIDTH	1200 mm

POWER SUPPLY

BATTERY TYPE / CAPACITY	LiFePO4 / 48Volt DC / 80Ah
RUNNING TIME	8 Hr
CHARGING TIME & TYPE	4 Hrs / Manual or Autonomous

CONTROL SYSTEM AND SENSOR

PROCESSOR	Intel chipset
OPERATING SYSTEM	UBUNTU
CONTROL MODES	Autonomous / manual / Guided
COMMUNICATION	WIFI - 802.11 a/b/g/n/ac, 2.4 Ghz & 5 Ghz with antenna and Bluetooth
SENSORS	1X 3D Lidar, 2X2D Lidar 1X IMU, 2X Encoder, 1 X depth camera, optional ultrasonic sensors, optional bumper sensor
STANDARD LEADOUTS	USB, External Emergency Port, ON/Off and Reset switch

ACCESSORIES

MANUAL CHARGER	Default
AUTONOMOUS CHARGER DOCKER	Optional
LIFTING/ CONVEYOR/TOWING/ SHELF STRUCTURE SYSTEMS	Optional

NAVIGATION

AUTONOMOUS MODE	SLAM + Visual
OBSTACLE AVOIDANCE	Pause play mode / Avoidance mode
PATH PLANNING	Defined path or natural navigation

SAFETY

OBSTACLE AVOIDANCE	Laser scanner / Depth camera / ultrasonic sensor
EMERGENCY SAFETY	Bumper sensor / Emergency stop button

ENVIRONMENT

OPERATING TEMPERATURE	5 to 40 Deg celcius
HUMIDITY	95% Non condensing
ALLOWABLE SLOP	Near level (3%)
IP Rating	IP21