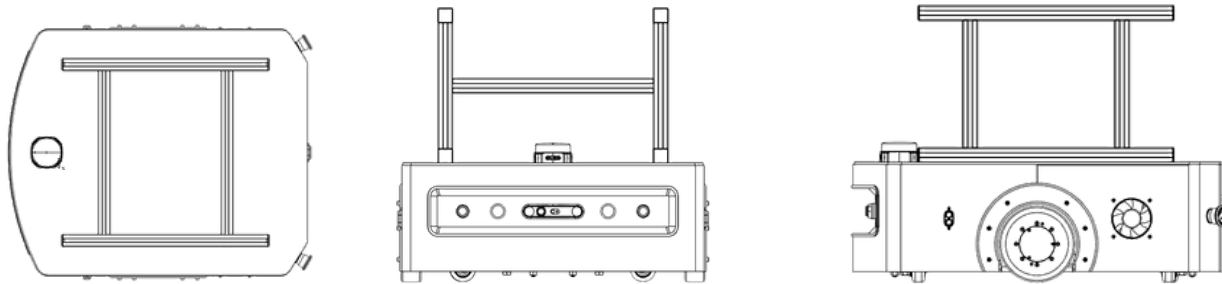


CORELYN C100™

AUTONOMOUS MOBILE ROBOT



TECHNICAL SPECIFICATIONS

SIZE AND WEIGHT			
EXTERNAL DIMENSIONS (L x W x H)	800 x 600 x 240mm		
WEIGHT	180 kg		
GROUND CLEARANCE	30 mm		
SPEED AND PERFORMANCE			
MAX LIFT PAYLOAD	100 kg		
MAX TUG PAYLOAD ¹	150 kg		
MAX. CLIMB GRADE	5°		
MAX. SPEED	1.5 m/s 1080 W Continuous Drive		
DRIVE TRAIN	Differential Drive		
BATTERY AND POWER			
SYSTEM	Standard	Upgraded	Extended
BATTERY	Lithium Ion, 40 Ah @ 48 V	Lithium Ion, 60 Ah @ 48 V	Lithium Ion, 80 Ah @ 48 V
CHARGE TIME	7-8 Hours	9-10 Hours	12-13 Hours
AVERAGE RUN TIME ²	4 Hours (15 Hour Standby)	8 Hours (30 Hour Standby)	12 Hours (45 Hour Standby)
USER POWER ³	12 V @10 A, 24 V @ 5 A, VBAT @ 5 A and VBAT @ 40 A (Optional Upgrade)		
INTERFACING AND COMMUNICATION			
COMPUTER OPTIONS	Standard: Intel NUC i3 Processor Performance: i5-13700TE Processor (GPU Optional)		
FEEDBACK	Battery, Connectivity, Emergency Stop Status, Diagnostics, Encoders		
COMMUNICATION	Ethernet, USB, Remote Control, Wi-Fi, CAN/RS485		
ROS CAPABILITY	ROS 2 Humble		
INCLUDED ACCESSORIES	Xbox Controller, Battery Charger		
ENVIRONMENTAL			
OPERATING AMBIENT TEMPERATURE	-20 °C to +40 °C (-4 °F to 104 °F)		
STORAGE TEMPERATURE	-20 °C to +60 °C (5 °F to 140 °F)		
IP RATING	IP20		
SAFETY AND COMPLIANCE			
STANDARDS COMPLIANCE	VDA5050 For Interoperatablity		

Contact us today for pricing and a free 30 minute technical assessment: +91 9367952877