

### Designated use

Collaborative mobile robot for internal transportation of heavy loads and pallets within the industry and logistics

### Dimensions

Length 1350 mm  
 Width 920 mm  
 Height 320 mm  
 Weight (without load) 230 kg  
 Load surface 1300 x 900 mm

### Color

Ral 9005 Signal Black

### Payload

Robot Payload 1000 kg

### Speed and performance

Maximum speed 1.2 m/sec

### Power

Battery Li-NMC, 48 V, 40 Ah  
 Charging time (10% to 90%) 1 hour with MiRCharge 48V, 2 hours with cable charger  
 Battery charging cycle Minimum 1000 cycles  
 External Charger - Cable or Dock Input: 100-230 V ac, 50-60 Hz / Output: 48 V, max 40 A  
 Charging current, MiRCharge 48V 35 A  
 Charging current, cable charger 20 A

### Environment

Ambient temperature range +5°C to 40°C (humidity 10-95% non-condensing)  
 Certifications Complies with ISO/CD 3691-4, EN1525, ANSI B56.5  
 EMC EN61000-6-2, EN61000-6-3

### Communication

WiFi Router: 2.4 GHz and 5 GHz. Internal computer: WiFi adapter: 2.4 GHz and 5 GHz, 2 internal antennas  
 I/Os 4 digital inputs, 4 digital outputs, 1 Ethernet port with Modbus protocol  
 Safety I/O (8 inputs, 5 outputs)

### Sensors

SICK microScan3 safety system (2 pcs.) 360° visual protection around robot  
 3D camera (2 pcs.) Detects objects 1700 mm high at a distance of 950 mm in front of the robot



