



ROX ▶

6. Mai 2024

DATA SHEET

ROX is the newest generation of mobile robots from Neobotix. Various omnidirectional and classical drive systems can easily be expanded by individual superstructures, extensions and options as required. Depending on the requirements, the carefully designed platforms can be customized by changing the length, width and height.

All platforms of the **ROX** product-line can be controlled through our professional AMR control software

PlatformPilot. Alternatively, the **ROX** platforms can also use the open-source framework **ROS 2**, making them ideal for research and development purposes.

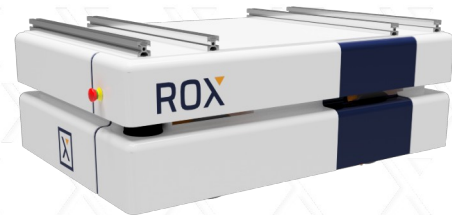
Additional modules such as manipulator arms, computers, sensors and actuators can be integrated easily to build a highly specialized and capable robotic system. Two battery technologies and optional capacity extensions offer the perfect balance of cost, uptime and charging time for every application.

▶ Dimensions

ROX is available as standard in the sizes shown below. It can also be easily customized for a more specific application.

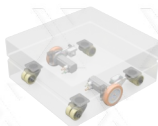


Short version

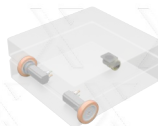


Long version

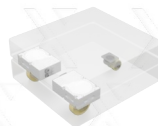
ROX ▶ Diff



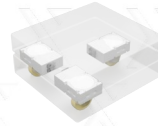
ROX ▶ Trike



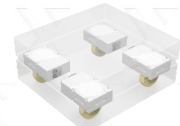
ROX ▶ Argo - Duo



ROX ▶ Argo - Trio



ROX ▶ Argo



Minimum Length	740 mm	740 mm	740 mm	740 mm	740 mm
Minimum Width	680 mm	680 mm	680 mm	680 mm	680 mm
Minimum Height	330 mm	330 mm	330 mm	330 mm	330 mm
Payload	300 kg	300 kg	300 kg	400 kg	500 kg
Speed	1,5 m/s	1,5 m/s	2 m/s	2 m/s	2 m/s

▶ SENSORS

2 x Laser scanner Sick nanoScan3

▶ COMPUTER

Intel i5, 8 GB RAM, > 200 GB SSD, WLAN
Option: Intel i7, 16 GB RAM, > 400 GB SSD

▶ BATTERY

Basic: 1 / 2 / 3 x AGM pack (48 V, 26 Ah)
Option: 1 / 2 / 3 x LiFePO4 pack (48 V, 21 Ah)

▶ CHARGING

Manual wired charger included in delivery
Optional automatic inductive charging station