

# **HARDWARE BROCHURE**

**2021 Micromobility Guide**



**POWERING YOUR NEXT MOVE.**

# Introduction

Being a hardware-agnostic software platform, Joyride takes pride in partnering with a wide selection of world-class micromobility manufacturers. As the market for electric scooters, e-bikes, mopeds, bike locks and charging stations continues to grow, so does our list of common hardware providers.

In this brochure, you'll find a roundup of our most frequently recommended manufacturers and vehicle models, all of which integrate with the Joyride platform. Our longstanding partnerships with these manufacturers means Joyride customers have access to exclusive perks, such as discounted pricing and preferred customer service worldwide.

Read up on the latest and top-rated hardware offerings in the micromobility space, and **contact the Joyride sales team** directly to find the right fit based on your fleet size, location and budget.

# ACTON



	ACTON M Pro	ACTON Topswap
Overview:	The M PRO's robust design includes industry-leading strength ratings, heavy-duty welds and proprietary aluminum extrusions	ACTON's latest e-scooter offering features a swappable battery system
Price:	Contact Joyride for pricing	Contact Joyride for pricing
Range:	30 miles	30 miles
Top Speed:	18.6 miles per hour	18.6 miles per hour
Charge:	6+ hours	6+ hours
Noteworthy Features:	ACTON's breakout heavy-duty vehicle features a wide deck, low center of gravity, 10-inch airless tires and an intuitive two-stage braking system	ACTON's swappable lithium-ion battery solution is meant to be a quick reload for charging teams, thereby eliminating scooter down time and minimizing charging expenses

# Okai



	Okai ES400	Okai ES200B
<b>Overview:</b>	The Okai ES400 is specifically designed for highly efficient LEV sharing platforms	Specifically designed for scooter-sharing platforms, with hidden wires for secure 24/7 operations. The integrated custom IOT device is meant to allow for a reduction of operational costs.
<b>Price:</b>	US\$699	US\$579
<b>Range:</b>	16Ah = 32 miles, 9.6Ah = 23 miles	23 miles
<b>Top Speed:</b>	18.6 miles per hour	18.6 miles per hour
<b>Charge:</b>	3 to 4 hours	3 to 4 hours

**Noteworthy Features:** Vehicle features include a swappable battery, an extra large 12-inch front wheel, hydraulic suspension, dual kickstand, hidden cables and extruded alloy material

Additional features include a double-sided bright LED tail light, a durable laser-welded aluminum alloy frame and a 10-inch front wheel

# Segway



## Segway Kickscooter MAX PRO 2.2

## Segway Kickscooter MAX PLUS 2.3

### Overview:

Built for the sharing market, the MAX PRO 2.2 model has 10-inch tires, built-in IoT and a swappable battery

This IoT-enabled model comes with an intelligent swappable battery system and a high-performing automotive grade design

### Price:

Retail USD\$760

Retail USD\$820

### Range:

37 miles

34 miles

### Top Speed:

15.5 miles per hour

12.5 miles per hour

### Charge:

4 hours

4 hours

### Noteworthy Features:

Launched in 2020, Segway's MAX PRO is a durable vehicle meant for city life, with hidden cables, flat-resistant large tires and a 20% slope capacity

Segway's ready-to-deploy solution launched in 2020 featuring a dual braking system, a dual side kickstand, a reliable front drum brake and an electronic rear brake

# ACTON / Hongji



	ACTON NEXUS E-Bike	Hongji CD01
<b>Overview:</b>	Featuring a 350w motor, this IoT-integrated electric bike has been designed specifically for shared fleet purposes	Hongji's shared e-bike has a 350w motor, 26-inch tires, seven-degree climbing ability and hydraulic disc brakes
<b>Price:</b>	USD\$1,350	USD\$850
<b>Range:</b>	40 miles	40 miles
<b>Top Speed:</b>	21.75 miles per hour	20 miles per hour
<b>Charge:</b>	6 hours	5 hours
<b>Noteworthy Features:</b>	ACTON's inaugural electric bike comes with 26-inch wheels, a front basket accessory, customization features and a swappable mid-frame battery	Hongji's e-bike offering is built for the urban rider. This vehicle features Shimano nine-speed gears and comes equipped with a central motor. It is IP67 waterproof rated.

# Okai / NIU



	Okai EB100	NIU Sharing
<b>Overview:</b>	This shared fleet vehicle features 26-inch tires, up to 500w max power, a swappable battery and helmet storage	This IoT-integrated moped is designed for shared fleet purposes. With one tap, users can reserve a ride, unlock a helmet top case and activate the moped.
<b>Price:</b>	USD\$1,299	Contact Joyride for pricing
<b>Range:</b>	37 miles	35 miles
<b>Top Speed:</b>	15 miles per hour	15.5 miles per hour
<b>Charge:</b>	6 hours	6 hours
<b>Noteworthy Features:</b>	This rear-wheel drive model has 39 Samsung battery cells (50E), which create a capacity of 48V15Ah. Its swappable battery functionality decreases operational expenses. Any movement of the vehicle can trigger alarms on the e-bike.	NIU's built-in cloud ECU relays telematics, abnormal vibration alerts and vehicle diagnostics, while 32 on-board sensors check every system 200 times per minute. Plus, when the moped detects unauthorized movements, its motor turns in the opposite direction to block theft.

# Segway



	Segway Ninebot Urban A200 E-bike	Segway E-moped E1 10L
<b>Overview:</b>	This vehicle features a 250W motor on a 26-inch frame and was made for sharing with its built-in swappable battery	This 1,500W max power moped is designed for shared purposes with a 100% keyless entry and an intelligent electronic system
<b>Price:</b>	USD\$900	USD\$2,450
<b>Range:</b>	50 miles	111 miles
<b>Top Speed:</b>	15 miles per hour	28 miles per hour
<b>Charge:</b>	7 hours	6 hours
<b>Noteworthy Features:</b>	Segway's first e-bike has integrated wheels, PU-filled rubber tires and drum brakes, integrated IoT electronic cable locks and high levels of customization for branding. The e-bike's battery is compatible with Segway's MAX PRO and MAX PLUS scooters.	Segway's all-new e-moped features a modern smart UX dashboard, a driver occupancy detection system, IPX5 water resistance, a 32L capacity tailbox with a helmet-detection system and a large two-person seat cushion



## AXA / OMNI



	AXA	OMNI
<b>Connection Type:</b>	Bluetooth	Bluetooth + GPS/GPRS
<b>Price:</b>	~US\$130	~US\$60
<b>Battery Life:</b>	~1 year	<2 weeks
<b>Geolocation:</b>	End of last rental	Real-time
<b>Special Requirements:</b>	Additional cloud fee required	Monthly data fees required, solar panel is additional

# CHARGING STATIONS



	DUCKT	KUHMUTE	Swiftmile
<b>Description:</b>	Designed for scooters and bikes, this multi-modal charging station features a universal plug-and-play adaptor	A universal charging infrastructure designed for micromobility vehicles	Designed for multiple configurations, Swiftmile's standalone micromobility parking and charging stations work with any voltage scooter
<b>Ports Per Station:</b>	Up to 30 per location	Configurations of 3, 6, or 9, as well as 5 and 10	4 to 8
<b>Price:</b>	Approximately USD\$2,100 per 3-vehicle port	Subscription of US\$55 per month per port with a two-year contract	USD\$1,000 per port
<b>Noteworthy Features:</b>	Benefits include varying module types based on location and conditions, as well as an advertising integrated model that includes sponsored charging spots and branded solar panel systems	This multi-modal hub works with many models of e-scooters, ebikes, skateboards and more. KUHMUTE's one-step process means users only have to scan their QR code to unlock the vehicle and hub.	Swiftmile supports both docked and dockless vehicle systems and operates using either solar or plug-in power systems. It is suitable for integration via ready-built APIs and SDK.