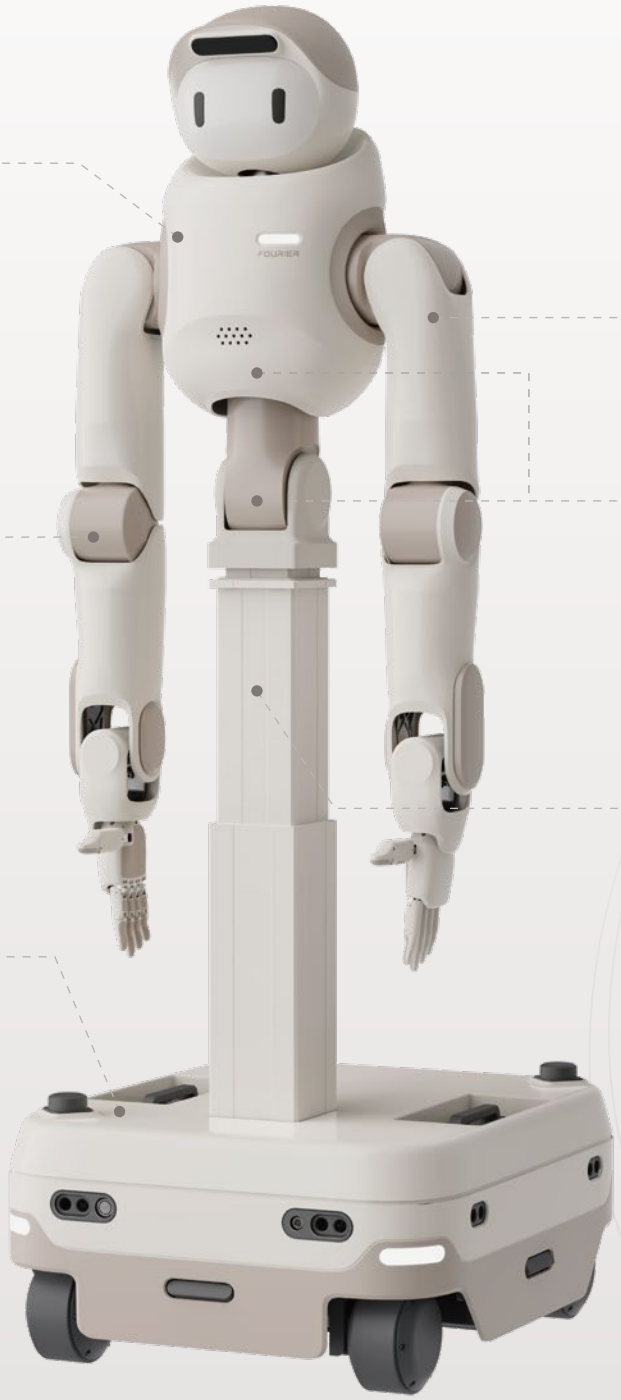
FOURIER

FOURIER GRW Lite

Height
1307mm–1907mm

Weight
≈ 120kg

Turning Diameter
≈ 880mm



Arm Span
1768mm
(Excluding End Effectors)

Waist DOF
Pitch and Rotation

Battery Runtime
≈ 4h, Hot-Swappable Batteries

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Product Specifications

Basic Spec.	Height	1307mm–1907mm	Length × Width	714mm × 620mm
	Shoulder Width	490mm	Weight	≈ 120kg
	Arm Span	1768mm (Excluding End Effectors)	Turning Diameter	≈ 880mm
Exterior Materials	Frame Construction	Aluminum Alloy + Engineering Plastics	End-Effector Module	Expandable
Joint Spec.	Head Degrees of Freedom	2	Degrees of Freedom per Arm	7
	Waist Degrees of Freedom	2	Lower-Body Degrees of Freedom	1
	Chassis Configuration	Four-Wheel Drive (4WD)	Peak Joint Torque	≈ 140N·m
	Communication Protocol	EtherCAT		
Electrical Spec.	Nominal Voltage	44.8V	Rated Power	≈ 1300W
	Power-Loss Safety Braking	Yes (Waist Pitch Joint Only)		
Performance Spec.	Average Travel Speed	≈ 0.8m/s	Traversable Slope	Max. 10°
	Rated Dual-Arm Payload	3kg		
Battery and Power Adapter	Battery Capacity	Dual Batteries, 672Wh Each	Battery Type	Lithium-Ion Battery
	Weight per Battery	6.1kg	Nominal Battery Voltage	44.8V
	Charging Voltage Limit	51.1V	Hot-Swappable	Supported
	Battery Runtime	≈ 4h	Charging Time	≈ 2h (0–80% Charge)
	Adapter Input	100–240V AC 50/60Hz	Adapter Output	51.1V DC 7.0A
Computing System	Operating System	Ubuntu 24.04	Processor	NVIDIA Jetson Thor
Perception Sensors	Head Camera	1	Chassis Cameras	4
	Chassis Ultrasonic Sensors	8	Chassis LiDAR Sensors	2
	IMU	6-Axis (Accelerometer + Gyroscope)	Speaker	Yes
	Microphone	Yes		
Interaction Capabilities	Teleoperation	Optional	Interactive Lighting	Yes
	Voice Interaction	Voice Output (Actuator Alerts, Low-Battery Announcements, Navigation Audio)		

**Appearance and specifications are subject to the actual product.*