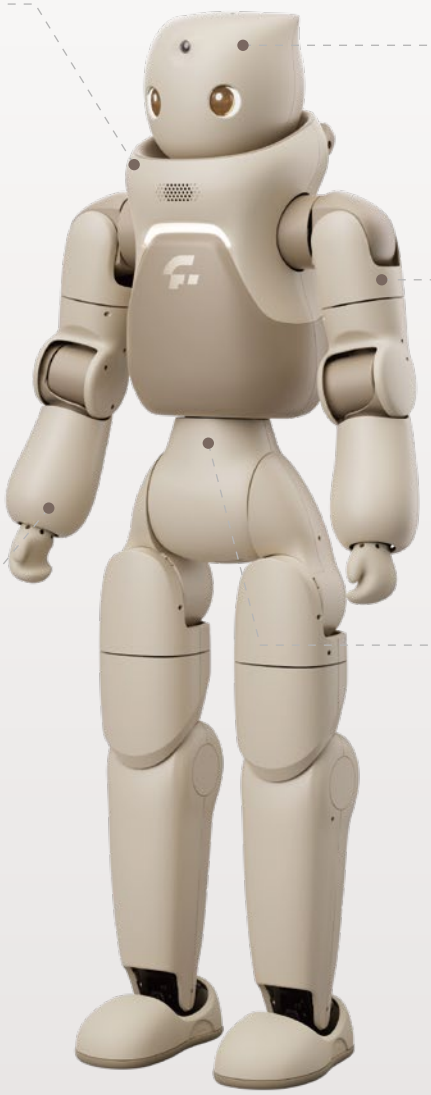
FOURIER

FOURIER GR Mini

Height
≈ 127cm

Total DOF
25



Touch Interaction
Head

Weight
≈ 43kg

Battery Runtime
≈ 2h

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Product Specifications

Basic Spec.	Dimensions	1266mm × 552mm × 302mm (H × L × W)		
	Weight	≈ 43kg	Arm Length	433mm
	Arm Span	1203mm	Leg Length (Shin + Thigh)	290mm + 335mm
Exterior Materials	Frame Construction	Aluminum Alloy + Engineering Plastics		
Joint Spec.	Total Degrees of Freedom	25 (Head: 2; Each Leg: 6; Waist: 1; Each Arm: 5)		
	Peak Joint Torque	≈ 140N·m	Dual Encoders	Supported
	Joint Range of Motion	Hip Joint (P: −122° to +110°, R: −35° to +92°, Y: ±142°); Knee Joint: −2° to +142°		
	Communication Protocol	EtherCAT	Internal Cable Routing Through Hollow Joints	Yes
Electrical Spec.	Nominal Voltage	46.8V	Cooling System	Air Cooling
	System Connectivity	Wi-Fi, Ethernet		
Performance Spec.	Onboard Computing	High-Performance 8-Core CPU		
Battery and Power Adapter	Battery Capacity	463Wh	Battery Type	Lithium-Ion Battery
	Battery Runtime	≈ 2h	Charging Time	< 1h
Perception Sensors	Vision Camera	Monocular Camera	IMU	6-Axis (Accelerometer + Gyroscope)
	Microphone	Yes	Speaker	Yes
	Tactile Sensor Array	Yes (Head)	Lighting Effects	Yes
Interaction Capabilities	Touch Interaction	Supports Touch Sensing and Real-Time Responses on the Head	Interactive Lighting	Yes

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