

Booster K1

Engage、 Educate、 Entertain

Affordable、 Portable、 Durable

Affordable for Every Need

Versatile and user-friendly for middle school and undergraduate students.

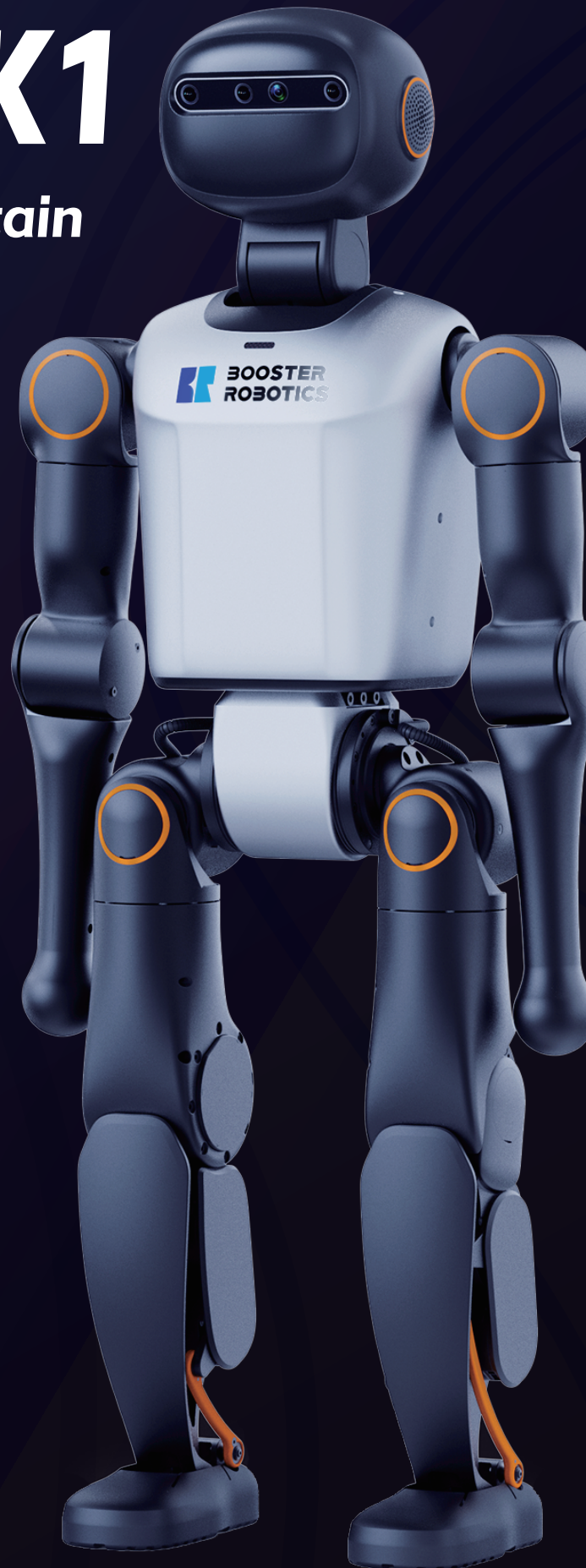
Portable & Ready to Go

No disassembly needed—fits in a single case for global transport.

Height: ~0.95m | Weight: ~19.5kg

Precise & Powerful

High-performance computing, fast response, and durable design for diverse applications.



Booster K1

Parameter	Specification
Size	95×40×18cm
Calf+Thigh Length	46cm
Arm Span	39cm
Weight	About 19.5 kg
Total Degrees of Freedom	22
Single Leg DoFs	6
Single Arm DoFs	4
Head DoFs	2
Max Torque of Knee Joint	60N.m
Joint Encoder	Dual Encoder
Joint Movement Space	Hip Joint: P-170°~100°, R-23°~90°, Y±60° Knee Joint: 0~130° Ankle Joint: P-50°~20°, R±20°
GPU	Supports 100~200 TOPS AI performance
Vision Module	Depth Camera
IMU	9-axis IMU
Voice Module	Microphone Array, Speaker
Sound On	Low battery reminder, Joint overheating reminder
Voltage	48V
Battery	5Ah
Batter Life	40min (Walking)
Keystroke	Power button*1, interaction button*3
Indicator Light	1
WiFi 6	Yes
Bluetooth 5.2	Yes
Interface	Gigabit Ethernet RJ45
Firmware Upgrade	Yes
Secondary Development	Yes
Warranty Period	1 Year

Generation ROBOTS

Brand of **NGX** ROBOTICS



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