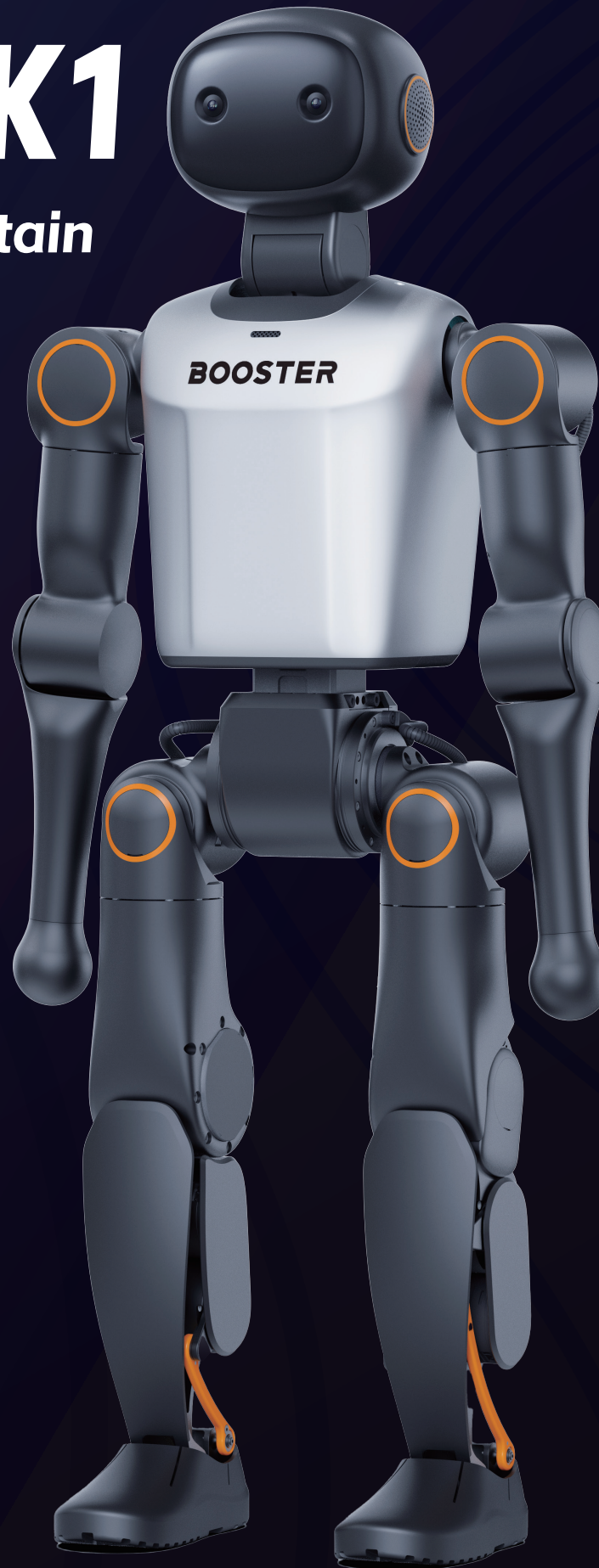


Booster K1

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
Large Joint Movement Space	Hip joint: P -171°~126°, R -22°~89°, Y ±59° Knee joint: 0°~127° 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
Battery Life	1h 20min (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