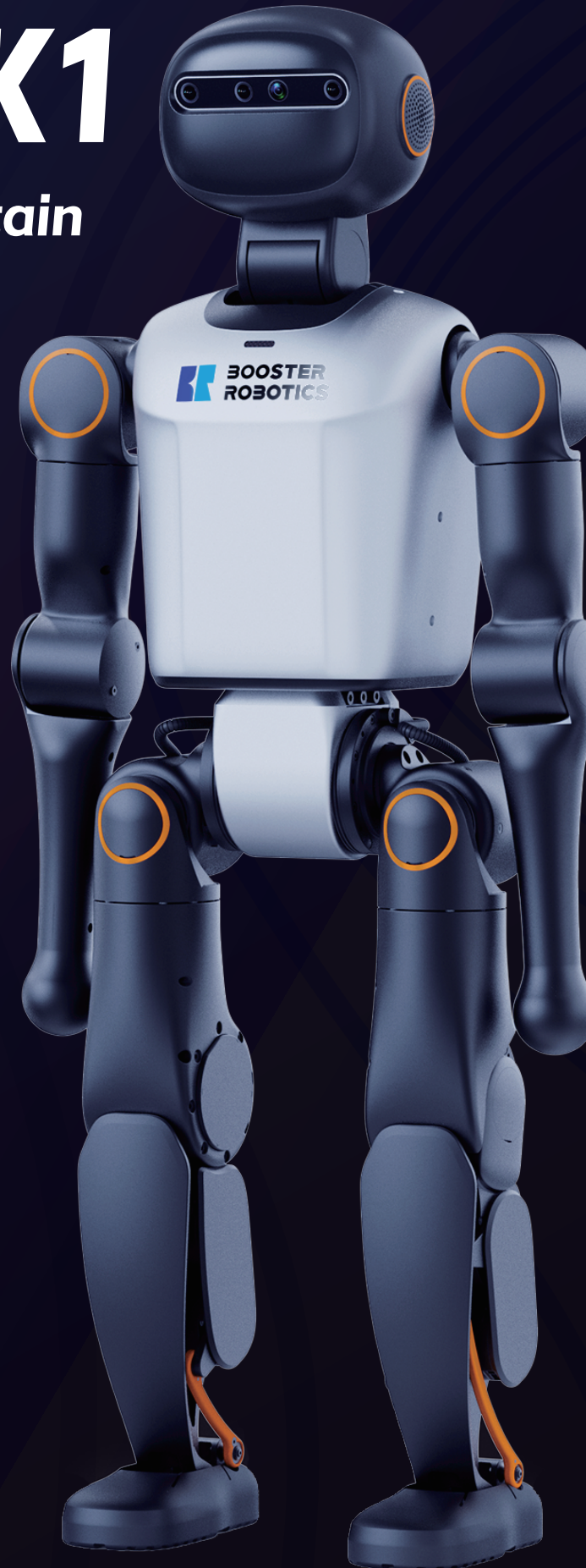


# Booster K1

**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°<br>Knee Joint: 0~130°<br>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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