



Booster T1

Made for Developers

Lightweight Flexible Durable

Height about 1.2m | Weight about 30kg

Easy to lift by a single person

Extra large joint movement space

Capable of performing actions
challenging for humans

Wear-resistant and anti-fall

By using topology optimization to
improve structural strength, along with
high-strength metals and engineering
plastics to become fall resistant



API

- High-level motion interface
- Low-level hardware interface
- Status feedback interface

Popular simulation environments support

- Isaac Sim
- Mujoco
- Webots

Easily achieve multimodal interaction

- Optional edge LLM support
- Supports TTS (Text-to-Speech)
ASR (Automatic Speech Recognition)
- Supports recognition algorithms like Yolo

ROS support

- Compatible with ROS2 ecosystem

APP support

- Quickly operate the robot and view its status

Specification

Booster T1

Size	118×47×23cm
Calf+Thigh Length	57cm
Arm Span	45cm
Weight	About 30 kg
Total Degrees of Freedom	23
Single Leg DoFs	6
Waist DoFs	1
Single Arm DoFs	4 (Extensible)
Head DoFs	2
Max Torque of Knee Joint	130N.m
Joint Encoder	Dual Encoder
End Effector	Gripper (Optional)
Joint Movement Space	Waist Joint : ±58° Hip Joint : P±118°、R-21°~+88°、Y±58° Knee Joint : -11°~123° Ankle Joint: P-50°~20° R±25°

GPU	Nvidia AGX Orin Provides 200 TOPS AI performance
Vision Module	Depth Camera
IMU	9-axis IMU
Voice Module	Microphone Array, Speaker
Battery	10.5Ah
Batter Life	2h (Walking), 4h (Standing)
WiFi 6	Yes
Bluetooth 5.2	Yes
5G	Optional
Interface	USB , Ethernet
Firmware Upgrade	Yes
Edge LLM	MiniCPM (Optional)
Secondary Development	Yes
Warranty Period	1 Year