

RobôCIn 2026 Large Robot Division Hardware Specification

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Fig. 1. Booster T1

Type	Specification Parameters	Description
Basic Parameters	Height (when standing upright)	1.18m
	Weight	About 30kg
DoFs	Total DoFs	23
	Single Leg DoFs	6
	Single Arm DoFs	4 (expandable)
	Waist DoFs	1
	Head DoFs	2
Operational Parameters	Walking Speed	0.5m/s
	Turning Speed	1.5rad/s
Battery Parameters	Battery Life	1.5h
	Charging Time	≤2h
	Cycle Life	≥500 times
Computing Platform	Basic	AGXOrin*1
	Standard	i7 *1
		AGXOrin*1
Sensors	Camera	Depth Camera Stereolabs Zed 2i
	Microphone	Microphone Array
	Speaker	1
Safety Fuction	Robot Emergency Stop	1
	Auditory Alerts	Low Battery Alert, Joint Overheat Alert
Communication Methods	Wireless Connection	WIFI 6
	Bluetooth	Bluetooth 5.2
	Certification Standards	CE/FCC
Noise	Walking Noise	≤70dB
Environmental Adaptability	Environmental Adaptability	-10°C~45°C
	Operating Humidity	5%~90%, without condensation