

NUBOTS

ROBOT SPECIFICATION

PHYSICAL SPECIFICATIONS

Name	Booster K1 RoboCup Edition
Height (m)	0.95 *
Weight (kg)	19.5 *
Walking Speed (m/s)	0.5 *
Walking Speed (m/s)	1.0 *
Battery	48 V, 2 Ah LiPo *
Material:	†

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DEGREES OF FREEDOM

Legs (each)	6 *
Arms (each)	4 *
Neck	2 *
Total	22 *

MOTORS AND SENSORS

Booster Servo Motors	
9-axis IMU†	x1
Depth Camera*	x1
Microphone Array*	x1

COMPUTING UNITS

Jetson Orin NX*	117 TOPS
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Booster K1 Robot§.

*Source: <https://booster.feishu.cn/wiki/E3q5wF5SnitXZgkY18Uc8odBnXb>

†Information is not publicly given by the manufacturer.

‡Source: correspondence with the manufacturer; the magnetometer is claimed to be disabled.

§Source: <https://www.booster.tech/booster-k1/>