

Hochschule Offenburg 2026 AdultSize Team Specification

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Robot name: **Booster T1**

– Height of the robot: 1180 mm

– Weight of the robot: 30 kg

– Walking Speed: 0.8 m/s

– Number of degrees of freedom: 23

– Type of motors: Booster Robotics Integrated Joints with Max Torque
7Nm,36Nm,60Nm,90Nm,130Nm.

– Sensors: Camera, RealSense D455 with IR disabled; Gyro, 9-Axis IMU

– Control unit: Intel i7 1370P

– Perception and Decision Unit: NVIDIA AGX Orin 32GB

– Materials: 7075 Aluminum Alloy and Engineering Plastics

– Battery: 13S3P 10.5Ah Ternary lithium battery