



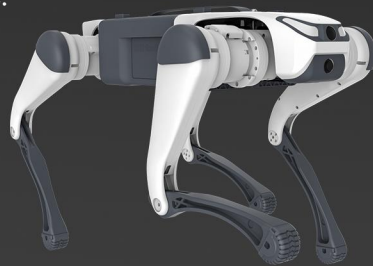
# J60

Ignite the vigorous power of Intelligent agents

Lightweight High Performance Joints J60 Series

## Surging power, Lite3-same joints

J60 joints facilitate high-difficulty and high-intensity movements such as park-our, off-roading, and climbing over ruins.



## Reliable and Durable Feature

Suitable for various usage demands such as quadruped robot model control and learning control, it has been produced and applied to mature products like Lite3 quadruped robot.

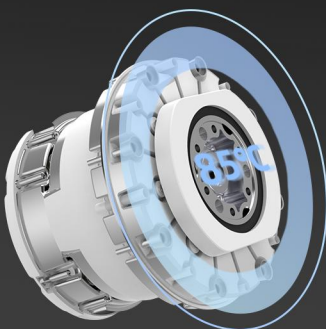
## Integrated Design

J60 joint integrates a reducer, frameless torque motor, servo driver, and absolute value encoder into one, with a compact structure and convenient installation.



## Debugging and Development Kit

J60 robot joints are equipped with both serial port and CAN communication interfaces.



## Status Detection and Protection

J60 robot joint is equipped with a built-in driver and motor temperature detection and protection system. This system monitors input current and voltage in real-time to ensure safer operation safer.

# Parameter

## J60-6

## J60-10

480g	<b>Weight</b>	540g
76.5mm*63mm	<b>Dimensions (diameter x height)</b>	76.5mm*72.5mm
DC 12V~36V	<b>Operating Voltage Range</b>	DC 12V~36V
DC 24V	<b>Standard Operating Voltage</b>	DC 24V
19.94N.m	<b>Peak Torque</b>	30.50N.m
0.8982N.m/A	<b>Joint Torque Constant</b>	1.3473N.m/A
41.54N.m/kg	<b>Maximum Torque-to-weight Ratio</b>	56.48N.m/kg
30A	<b>Maximum Motor Phase Current</b>	30A
CAN	<b>Communication Method</b>	CAN
1Mbps	<b>Communications Baud Rate</b>	1Mbps
1kHz	<b>Communication Control Frequency</b>	1kHz
Absolute Encoder	<b>Encoder Type</b>	Absolute Encoder
14bit	<b>Encoder Resolution</b>	14bit

DEEPRobotics



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