

# BrainCo Dexterous Hand Revo 2



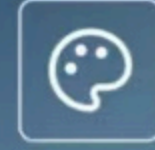
compact



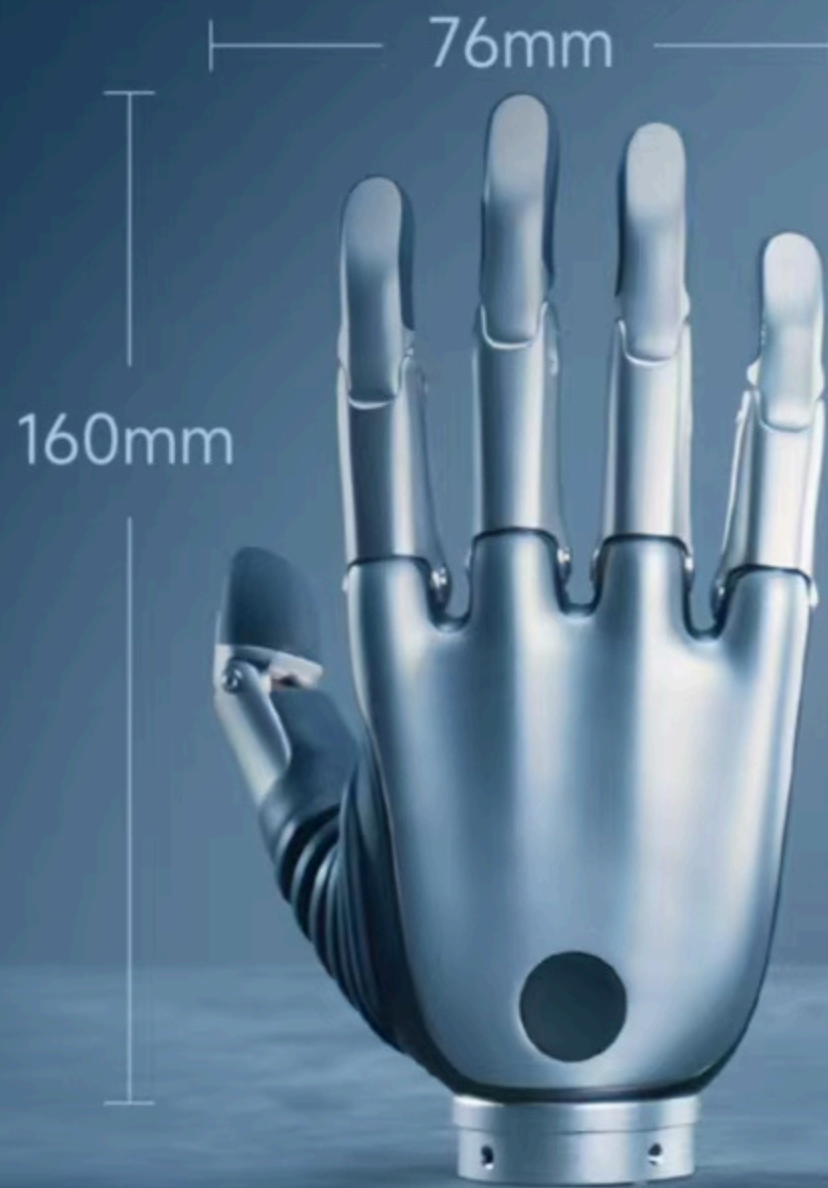
lightweight



bionic



Color customization



**Weight**  
**383<sub>g</sub>**  
≈2 apples

\*Data obtained from BrainCo Lab

● Flowing Silver

● Space Gray

Active joints

**6**

DOF

**11**

Communication Frequency

Max **1k<sub>Hz</sub>**

Positioning accuracy

**0.1<sup>°</sup>**

weight loading

**20<sub>kg</sub>**

Gripping Force

**≥50<sub>N</sub>**

voltage

**12-64<sub>v</sub>**

Communication interface

**485&CANfd& EtherCAT**

**Perceptual dimension:**

Pressure, Friction, Force direction, Approach distance, surface material, etc.

**Force feedback resolution:**

0.1N, Max 0.01N

**Force feedback range:**

0-25N

# Product parameters

BrainCo dexterous Bionic hand	Revo 2 Basic	Revo 2 Pro	Revo 2 Touch
Degrees of Freedom (DoFs)	11 (6 active)		
hand weight (without wrist)	383g		
Height	160mm		
Five - finger gripping force	≥50N		
pinching force	≥15N		
Payload	≥20kg		
Running noise (50cm)	≤50dB		
Open-Close time	≤0.65s		
Positioning accuracy	0.1°		
Voltage	12-28V	12-64V	12-64V
Communication interface	485 CANfd	485 CANfd EtherCAT	485 CANfd EtherCAT
Tactile Sensing	None	None	Force, friction, direction, proximity
Smart control	Position, speed, current feedback control, smooth control		+Tactile adaptive control
Intelligent protection	current protection, Stall Current Protection, high temperature protection, anti - collision protection		
Secondary Development	Sdk supports python/c, supports linux/windows/ros system		
Upgrade	OTA		