

About US

Founded in 2015, Hitbot Technology (Shenzhen) Co., Ltd is a Xiaomi ecological chain enterprise and a national specialized and innovative "Little Giant" enterprise. We are committed to providing software and hardware products such as robotic arms, end effectors, operating systems, and industry-oriented embodied intelligent infrastructure solutions for fields such as life sciences, 3C, and new retail in a software-graphic and hardware-modular manner.

With a series of phenomenal products, we have served thousands of customers such as Xiaomi, Huawei, Foxconn, Panasonic, L'Oreal and Mindray, and obtained multiple rounds of investment of hundreds of millions from Polaris, Zehou, Vega, Sagacity, Shunwei, CCV, Boyu, Magic Stone, Garden, and Daocap Capital.

HITBOT 慧灵科技

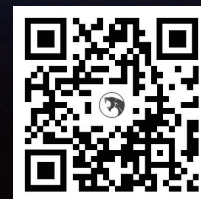
e-hand16

Endowing hand with a sense of touch

20 degrees
of freedom

Support all
the postures

Multidimensional
force sensing



HITBOT

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Product feature

Modular architecture

With a fully modular design, modules replacement is convenient, greatly reducing maintenance and hardware iteration costs, while having independent joint modules and industrial-grade reliability.

Bionic structure

It has 20 degrees of freedom (16 active +4 passive DoFs), highly simulates the movement characteristics of human hands, and supports adaptive dexterous operation and multi-modal posture control.

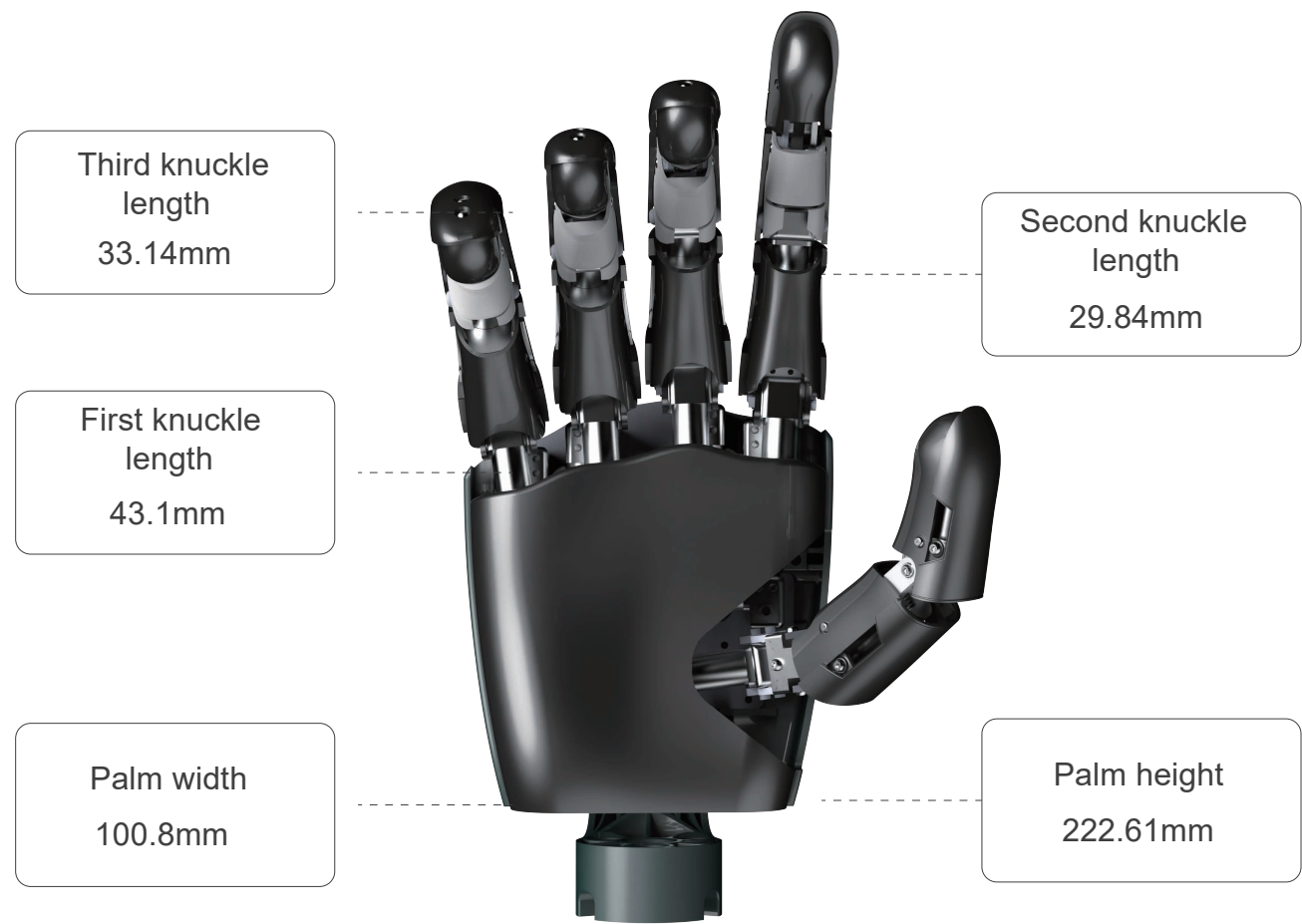
Development compatibility

It supports various API interfaces, is compatible with MuJoCo and other simulation environments, and provides documentation, sample programs and technical support.

Specification

Item	Parameter
Degree of freedom	20 DoFs (16 active + 4 positive)
Payload	Max 15kg (support continuous gripping in self-liocking mode)
Durability	200 thousand of movement
Communication protocol	CANFD
Repeatability	0.9mm
Max grip force	52N

Size



Application

