

AGIBOT OmniHand Series

OmniHand 2025 | OmniHand Pro 2025



AGIBOT Innovation (Shanghai) Technology Co., Ltd.
Create Unlimited Productivity via Intelligent Machines



YouTube

OmniHand 2025

Compact high-DoF interactive dexterous hand with small form factor and total compatibility.
As the industry's only compact, high-DoF dexterous hand, OmniHand 2025 delivers universal compatibility across humanoid robots and greatly enhances interactive intelligence.

Specifications

DoF 10 active + 6 passive	Weight 510g	Dimension 180*85*38.5 mm	Five-finger grip force (hybrid force control mode) ≥ 5kg
Array sensors 300+ taxels (w/ Tactile)	Array resolution 0.1N (w/ Tactile)	Communication interface CAN-FD/ RS485	Compatibility Compatible with mainstream robots and robotic arms

Highlights



Compact and lightweight

- 180 mm in total length, just 510g in weight—adaptive to humanoid robots of various models

Adaptive interaction

- 16 DoF for more human-like gesture interaction, covering all common gestures plus an exclusive back-of-hand touch interaction

Safe and user-friendly

- Over 300 force-sensing taxels across the hand and an anti-pinch design for safer interaction

Application Scenarios

... Interactive services ...

Gesture interaction, rock-paper-scissors games, touch interaction



... Research and education ...

Mobile manipulation/algorithm training



... Light-duty tasks ...

Object grasping, document delivery, etc.

