

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
500g

Dimension
180*85*38.5mm

Maximum fingertip force
5N (typical value)

Array sensors
400+ taxels (w/ Tactile)

Array resolution
0.1N (w/ Tactile)

Communication interface
CANFD/RS485

Compatibility
Compatible with mainstream robots and robotic arms

Highlights



Compact and lightweight

- 180 mm in total length, just 500g in weight—adaptive to humanoid robots of various models.

Adaptive interaction

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

Safe and user-friendly

- Over 400 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.

