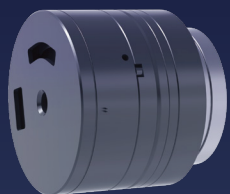
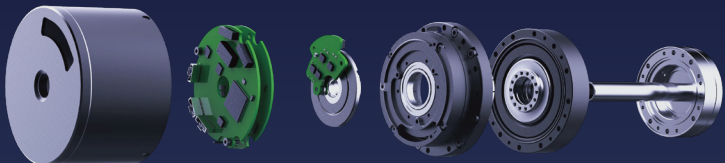


INTEGRATED JOINT MODULE WITH ALL CORE COMPONENTS FULLY SELF-DEVELOPED



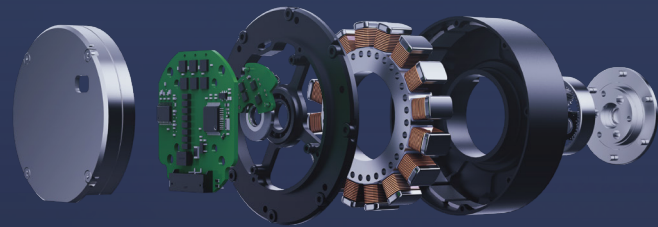
Stiff actuator



- ⊙ High load capacity
- ⊙ Extended service life
- ⊙ Smooth operation
- ⊙ Compact size
- ⊙ Lightweight design
- ⊙ Low noise
- ⊙ High output torque
- ⊙ Wide gear ratio range

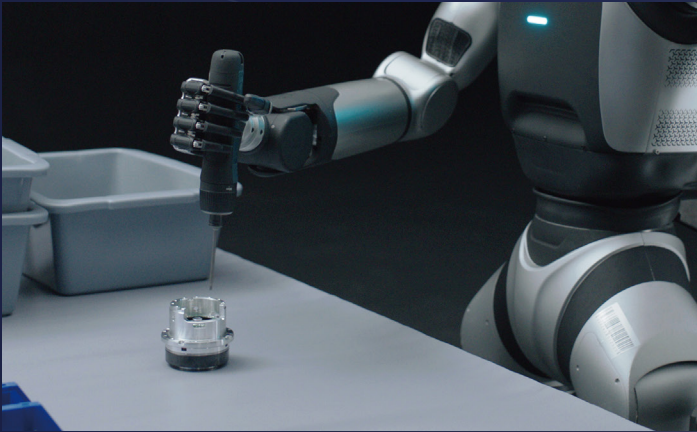


Proprioceptive actuator



- ⊙ High response speed
- ⊙ High torque density
- ⊙ Low noise
- ⊙ Impact resistance
- ⊙ High reliability

Dexterous Manufacturing >



Multi-Robot Collaboration >



Material Handling >



Line Inspection >



Service >



Education and Research >



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Estun Codroid
Embodied AI Robot

QIMENG

C05-U

Handy Adaptive Robot

Basic Parameter			
Height	138 ~ 168 cm (top of head)	Weight	32kg (without base)
Mobile Base	R550 mm	Payload per Arm	5 kg
Power Input	220V / 10A	Cable Length	3 m
Peak Power	1500 W	Communication	EtherCAT, UDP
Application Feature	Support open EtherCAT slave configuration		
Reducer Type	Harmonic		

Head

Weight	About 2 kg		
Pitch Angle	About -25° to +10°		
Option	▪ Voice Module ▪ Rotational Joint: Yaw ▪ Head Camera Module ▪ Rotational Joint: Pitch		

Upper Limb Trunk

Material	Metal/Engineering Plastic		
Rear Panel Interfaces	▪ Ethernet x 3 ▪ HDMI x1 ▪ USB 3.0 x2 ▪ Emergency Stop x 1 ▪ Through-hole: 30mm x 1		
Thermal Design	Built-in venting channels		

Upper Limb Arm

Payload Per Arm	5 kg (excluding dexterous hand)		
Weight Per Arm	≤ 8.5 kg		
DOF	7 DOF rotational joints		
Material	Metal		
Wrist	Dexterous hands (optional) Supported ▪ Provides mounting flange ▪ Power & Port: DC 24V / 2.5A, RS-485		

Lower Limb

- Manually adjustable height (about 300mm range)
- External module mounting capability

Optional Configurations

- ☐ Humanoid Robot Brain Controller
- ☐ Head Camera: ToF Camera
- ☐ Voice Interaction Module
- ☐ Five-Fingered Dexterous Hand: Tactile sensors (optional)
- ☐ Head Rotation Joint (Yaw: about -90° to +90° Pitch: about -25° to +10°)



Base

- Mobile base
- Counterweight(optional)
- High stability post-locking with zero tipping-over risk

Height-adjustable, adaptable to diverse scenarios (138-168cm).	Dual-arm all-metal structure with single-arm 7-DOF and 5kg payload capacity.
Self-developed modular upper limb system for flexible assembly and rapid maintenance.	Standard cerebellum motion controller, optional intelligent brain.
Dexterous hand compatible.	Open EtherCAT slave protocol.
Optional voice & vision modules for an integrated Human-Robot interaction.	Optional head/waist DOF.

CODROID

02

Embodied Ai Humanoid Robot



Height

170cm

Payload of single arm (excluding hand)

5kg

Length of arm (excluding hand)

602mm

DOF of body (excluding hand)

29/31

Battery	15Ah
DOF of head	2
DOF of waist	1 or 3
DOF of single arm	7
DOF of single leg	6
Comuunication module	Ethernet, USB 3.0
Audio module	Circular microphone, Speaker
Dexterous hand	6 DOF of single hand
	Tactile sensor (optional)
Camera	Head camera, Chest camera
	Abdomen camera
Control module	Brain
	Cerebellum
Redevelopment	Supported

PANSHI

C05-L

Full-ScenarioFlexible Robot

Basic Parameter			
Height	138 ~ 168 cm (top of head)	Weight	32kg (without base)
Payload per Arm	5 kg	Cable Length	3 m
Power Input	220V / 10A	Communication	EtherCAT, UDP
Peak Power	1500 W	Reducer Type	Harmonic
Application Feature	Support open EtherCAT slave configuration		

Head

Weight	About 2 kg		
Pitch Angle	About -25° to +10°		
Option	▪ Voice Module ▪ Rotational Joint: Yaw ▪ Head Camera Module ▪ Rotational Joint: Pitch		

Upper Limb Trunk

Material	Metal/Engineering Plastic		
Rear Panel Interfaces	▪ Ethernet x 3 ▪ HDMI x1 ▪ USB 3.0 x2 ▪ Emergency Stop x 1 ▪ Through-hole: 30mm x 1		
Thermal Design	Built-in venting channels		

Upper Limb Arm

Payload Per Arm	5 kg (excluding dexterous hand)		
Weight Per Arm	≤ 8.5 kg		
DOF	7 DOF rotational joints		
Material	Metal		
Wrist	Dexterous hands (optional) Supported ▪ Provides mounting flange ▪ Power & Port: DC 24V / 2.5A, RS-485		

Optional Configurations

- ☐ Humanoid Robot Brain Controller
- ☐ Head Camera: ToF Camera
- ☐ Voice Interaction Module
- ☐ Five-Fingered Dexterous Hand: Tactile sensors (optional)
- ☐ Head Rotation Joint (Yaw: about -90° to +90° Pitch: about -25° to +10°)



Base

Navigation Mode	Laser SLAM
L*W*H	810*545*228mm
Turning Diameter	840mm
Ground Clearance	25mm
Min. Passage Width	685mm
Position Accuracy of Nav	±5mm
Angle Accuracy of Nav	±5°
Speed	≤1.5m/s
Battery	65Ah
Comprehensvie Battery Life	6h
Charging Mode	Manual
LiDAR	2