

# UCR

## Configurable Bio-inspired Robots for AI Education

Versatile Builds | High-Performance Computing | Open Source System



### Fast Assembly for 7 Unique Robots

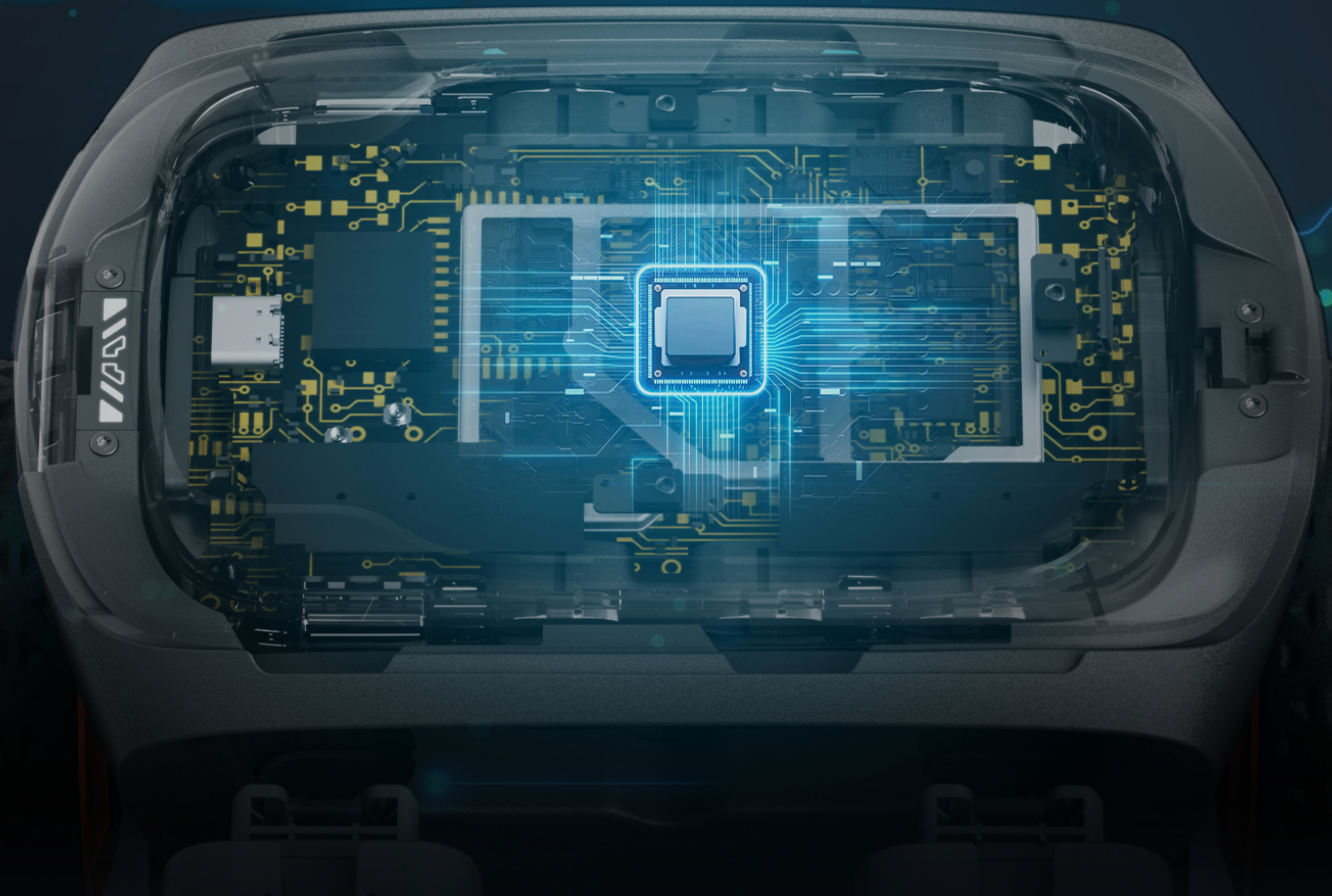
Modular Design \ Innovative Dial Lock \  
Two-minute Reconfiguration \ Imagination Inspired



# High-performance Computing Pushes the Boundaries of AI Education

4-core CPU with dedicated NPU and GPU, 10 trillion computations per second.

- Multi-algorithm Parallel Processing
- Advanced Algorithm Models
- Offline Model Training
- Diverse Teaching Scenarios



## Extensive Collection of AI Algorithms and AI Applications

Intelligent speech, machine vision, motion control empower AI-enabled education.

 SPEECH

6+

- VAD
- ASR
- TTS
- NLP
- 360°Far-Field Speech Recognition
- ...

 VISIONL

17+

- QR Code Recognition
- Traffic Sign Recognition
- License Plate Recognition
- Color Recognition
- Facial Recognition
- Facial Feature Recognition
- Posture Recognition
- OCR
- Gesture Recognition
- Custom Model Training
- ...

 MOTION CONTROL

7+

- Self-balancing Car Algorithm
- Odometry Algorithm
- Robotic Arm Motion Algorithm
- Quadruped Locomotion Control Algorithm
- Wheeled-leg Locomotion Control Algorithm
- ...

## Open Ecosystem Creating Infinite Possibilities

Supports third-party open-source hardware such as Micro Bit, Arduino, Raspberry Pi, and compatible DIY components, and provides an open Python SDK.



micro:bit



## Long Battery Life Sufficient for AI Study

2600mAh battery capacity supports 2 hours of AI instruction.



## Comprehensive UGOT Education Solution Ensures Seamless Instruction

Fits Multiple Scenarios

- Schools
- Institutions

Robust Curriculum System

- Regular courses
- Club courses
- Competition courses

Competition Platform

- Participating
- National events

Comprehensive Teaching Services

- Consulting services
- Training services
- Competition services

CONTACT US

