

ROBOTIX MARKET

SERIES BROCHURE
2026 edition



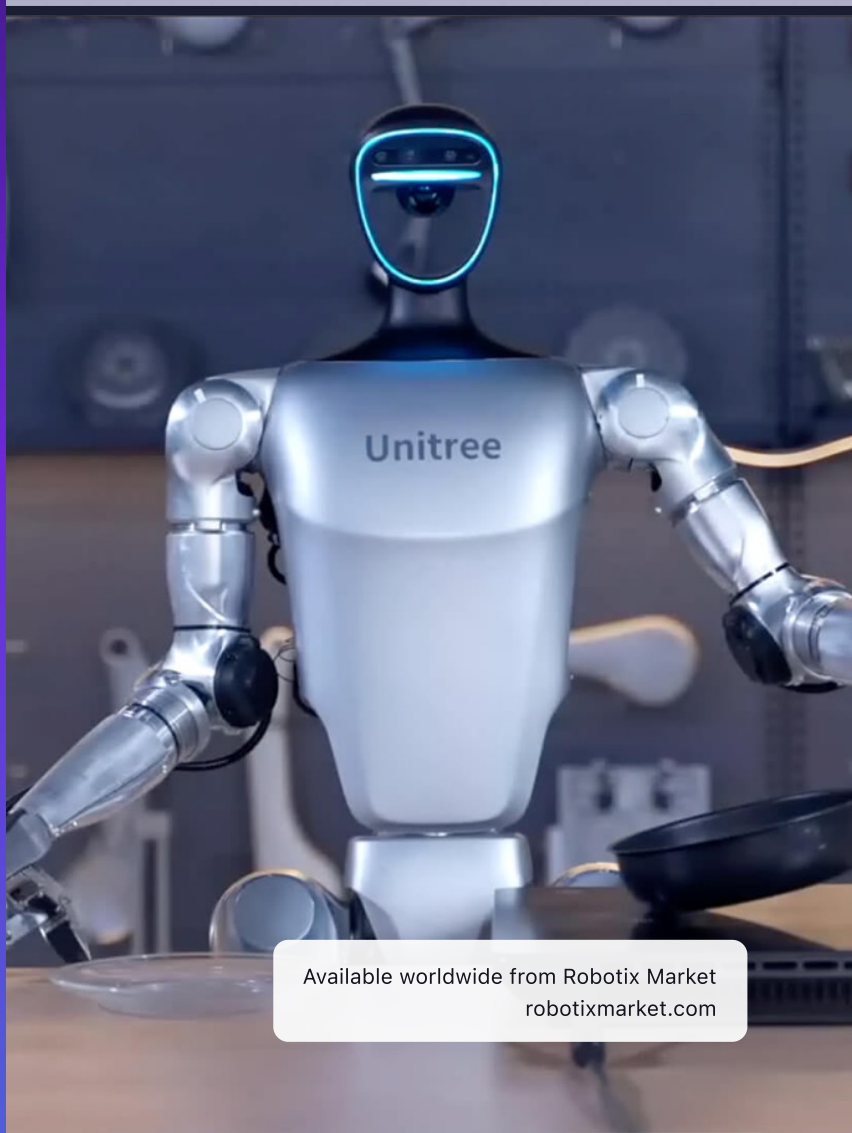
UNITREE · HUMANOID ROBOTS ·
ROBOTIX MARKET

Unitree

G1 EDU

Seven configurations of
Unitree's research humanoid,
U1 to U7

23 to 43 degrees of freedom, secondary
development, an AI computing module
and a choice of hands — from dummy
hands to tactile five-finger hands.



Available worldwide from Robotix Market
robotixmarket.com

OVERVIEW

One humanoid, seven ways to order it

The G1 EDU is the development edition of Unitree's G1: the same 1.32 m, 35 kg biped, opened up with secondary development, a high-computing-power module and the optional waist, wrist and hand joints. The seven configurations share that platform. What separates them is mainly the hands, from fixed dummy hands to tactile five-finger hands.

A research humanoid at 1.32 m

1320 × 450 × 200 mm standing, 690 × 450 × 300 mm folded, about 35 kg with the battery. Aluminium alloy and high-strength engineering plastics, with full hollow wiring through every joint.

Joints built for dynamics

Low-inertia internal-rotor PMSM motors on industrial crossed roller bearings with dual encoders: up to 120 N·m at the knee and an extra-large range of movement, with the waist turning $\pm 155^\circ$.

Open for development

Secondary development on the EDU, an 8-core CPU and a high-computing-power module for your own AI software, with over-the-air upgrades.

23 to 43 degrees of freedom

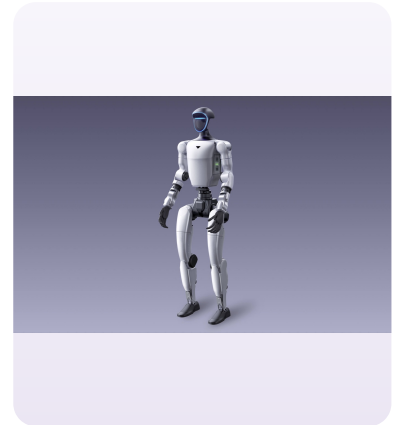
6 in each leg, a waist with 1 joint plus 2 optional, arms with 5 joints plus 2 optional wrist joints each, and hands with up to 7 each. Every configuration is a point on that range.

Sees, hears and speaks

A depth camera and a 3D LiDAR for perception, a four-microphone array and a 5 W speaker, Wi-Fi 6 and Bluetooth 5.2.

Quick-release power

A 9000 mAh smart battery for about 2 hours of use, a 54 V 5 A charger and a handheld controller.



1320 mm

STANDING HEIGHT

23–43

DEGREES OF
FREEDOM

120 N·m

KNEE TORQUE

~35 kg

WITH BATTERY

~2 h

PER BATTERY
CHARGE

Which G1 EDU?

THREE FAMILIES ACROSS U1–U7

Standard · U1

The base research body

23 degrees of freedom with dummy hands: the lowest-cost way into G1 development.

Plus · U2

The full 29-DoF body

The optional waist and wrist joints added, still with dummy hands.

Ultimate · U3–U7

The body with dexterous hands

Unitree Dex3-1, Inspire or BrainCo hands, with or without tactile sensing. Compared on page 3.

How the degrees of freedom add up

12

Legs: 6 per leg, on every configuration

1 + 2

Waist: 1 joint, plus 2 optional

10 + 4

Arms: 5 per arm, plus 2 optional wrist joints each

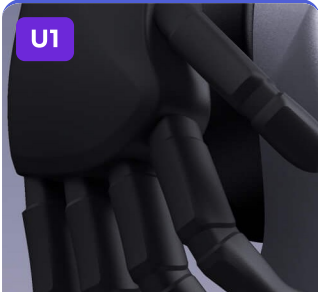
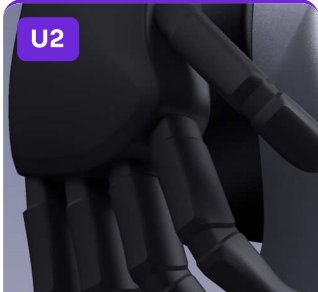
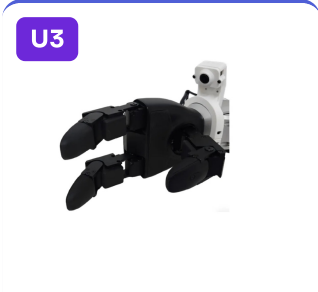
up to 14

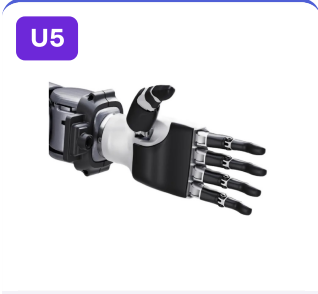
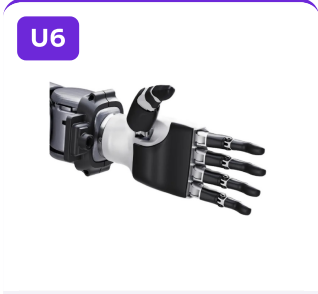
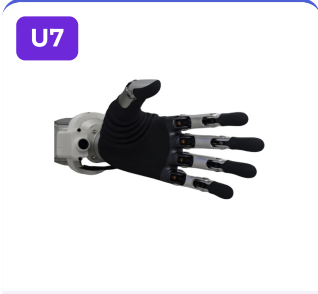
Hands: up to 7 per hand with Dex3-1

THE DIFFERENCE

Choose the hands

Every configuration is the same G1 EDU platform. The code tells you which hands are fitted, and the hands decide what the robot can do with its arms.

U1	U2	U3	U4
			
STANDARD Dummy hands Fixed display hands on a 23-DoF body	PLUS Dummy hands Fixed display hands on a 29-DoF body	ULTIMATE Unitree Dex3-1 Three-finger force-control hands	ULTIMATE Unitree Dex3-1 tactile Dex3-1 with tactile sensor arrays
No finger joints No sensing	No finger joints No sensing	3 fingers 7 DoF each	3 fingers 7 DoF each 33 sensors each

U5	U6	U7
		
ULTIMATE Inspire five-finger Inspire RH56-series hands	ULTIMATE Inspire five-finger tactile Inspire hands with tactile sensors	ULTIMATE BrainCo Revo 2 Basic Five-finger dexterous hands
5 fingers 6 DoF each	5 fingers 6 DoF each Tactile	5 fingers 6 active DoF 383 g

EVERY CODE
The same G1 EDU platform

1320 mm · about 35 kg · 120 N·m knee · 9000 mAh battery · secondary development. Details on page 5.

Hand figures are the hand makers' own. The exact Inspire model on U5 and U6 is confirmed with your quotation.

Choosing by task

WHICH CONFIGURATION FOR WHICH KIND OF WORK

Walking, teaching and shows

U1 and U2 — dummy hands suit work where the focus is the legs, balance and the whole body. U2 adds the optional waist and wrist joints for a 29-DoF body.

Grasping and force control

U3 and U4 — Unitree's own Dex3-1: three fingers on force-control joints for grasping and in-hand control research; U4 reads contact through 33 pressure sensors per hand.

Human-like dexterity

U5, U6 and U7 — five-finger hands from Inspire (U6 with tactile sensing) or BrainCo's light Revo 2 Basic for tool use and human-style grasps.

The hands, in detail

The makers' own figures for each hand fitted to a G1 EDU configuration. Dummy hands carry no figures because they have no moving parts.

Dummy hands

Fixed display hands · U1, U2

- Fixed five-finger hands on the G1's wrists, with no actuated joints
- No gripping function and no sensing
- Keep the humanoid silhouette for walking, teaching, demonstrations and whole-body research

On U1 and U2

Unitree Dex3-1

Three-finger force-control hand · U3, U4

- 7 active DoF: thumb 3, index 2, middle finger 2
- Six miniature brushless force-control joints plus one geared joint
- 710 g per hand; 500 g payload in Unitree's 5 cm round-object test
- USB 2.0 at 1000 Hz; 12–58 V DC
- Tactile version (U4): 33 pressure sensors per hand, 10 g to 2.5 kg

On U3 and, with tactile arrays, U4

Inspire five-finger hand

RH56 series · U5, U6

- 6 DoF driving 12 finger joints
- Inspire's tactile versions add fingertip force sensing (U6)
- The exact Inspire model, its weight and forces are confirmed with your quotation

On U5 and, with tactile sensors, U6

BrainCo Revo 2 Basic

Five-finger dexterous hand · U7

- 6 active and 11 total degrees of freedom
- 383 g per hand
- At least 50 N fist grip, 15 N pinch and a 20 kg load
- RS-485 and CAN FD interfaces; the Basic has no fingertip tactile module

On U7

SIDE BY SIDE

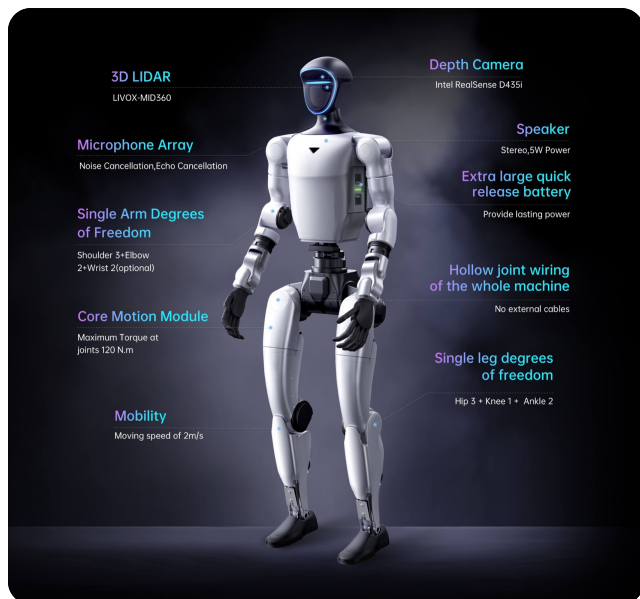
U1 to U7 compared

CONFIGURATION	HANDS FITTED	FINGERS	DOF PER HAND	TACTILE SENSING	AI COMPUTING MODULE
DUMMY HANDS — FOR LOCOMOTION, TEACHING AND DEMONSTRATIONS					
U1 Standard	Dummy hands	—	—	—	NVIDIA Jetson Orin NX 16 GB · 100 TOPS
U2 Plus	Dummy hands	—	—	—	NVIDIA Jetson Orin NX 16 GB · 100 TOPS
DEXTEROUS HANDS — FOR MANIPULATION RESEARCH					
U3 Ultimate	Unitree Dex3-1	3	7	—	NVIDIA Jetson Orin NX 16 GB · 100 TOPS
U4 Ultimate	Unitree Dex3-1 with tactile sensor arrays	3	7	33 pressure sensors per hand	NVIDIA Jetson Orin NX 16 GB · 100 TOPS
U5 Ultimate	Inspire five-finger (RH56 series)	5	6	—	NVIDIA Jetson Orin NX 16 GB · 100 TOPS
U6 Ultimate	Inspire five-finger with tactile sensors	5	6	Tactile sensors	NVIDIA Jetson Orin NX 16 GB · 100 TOPS
U7 Ultimate	BrainCo Revo 2 Basic	5	6 active · 11 total	—	NVIDIA Jetson Orin NX 16 GB · 100 TOPS

Degrees of freedom per hand are the hand makers' figures. The body of every configuration runs on the same G1 EDU platform on page 5, from 23 degrees of freedom on U1 up to Unitree's maximum of 43 with Dex3-1 hands.

Shared by every configuration

Unitree's own callout graphic of the G1 and its published parameter table for the G1 EDU.



The joint motors differ in torque across the body; 120 N·m is the largest. Arm load varies strongly with the arm's extension posture.

G1 EDU platform

FROM UNITREE'S G1 PARAMETER TABLE

Size

1320 × 450 × 200 mm standing · 690 × 450 × 300 mm folded

Weight

About 35 kg with the battery

Degrees of freedom

23–43: legs 6 + 6 · waist 1 (+2 optional) · arms 5 + 5 (+2 wrist each, optional) · hands up to 7 each

Knee torque · arm load

120 N·m at the largest joint · about 3 kg, depending on arm posture

Range of motion

Waist Z ±155°, X ±30°, Y ±30° · knee 0–165° · hip P ±154°, R –30° to +170°, Y ±158° · wrist P ±92.5°, Y ±92.5°

Perception and audio

Intel RealSense D435i depth camera · Livox MID-360 3D LiDAR · 4-microphone array · 5 W speaker

Computing and connectivity

8-core CPU · high-computing-power module such as NVIDIA Jetson Orin · Wi-Fi 6 · Bluetooth 5.2

Power

9000 mAh quick-release smart battery, 13-string lithium · about 2 h · charger 54 V 5 A

In the box

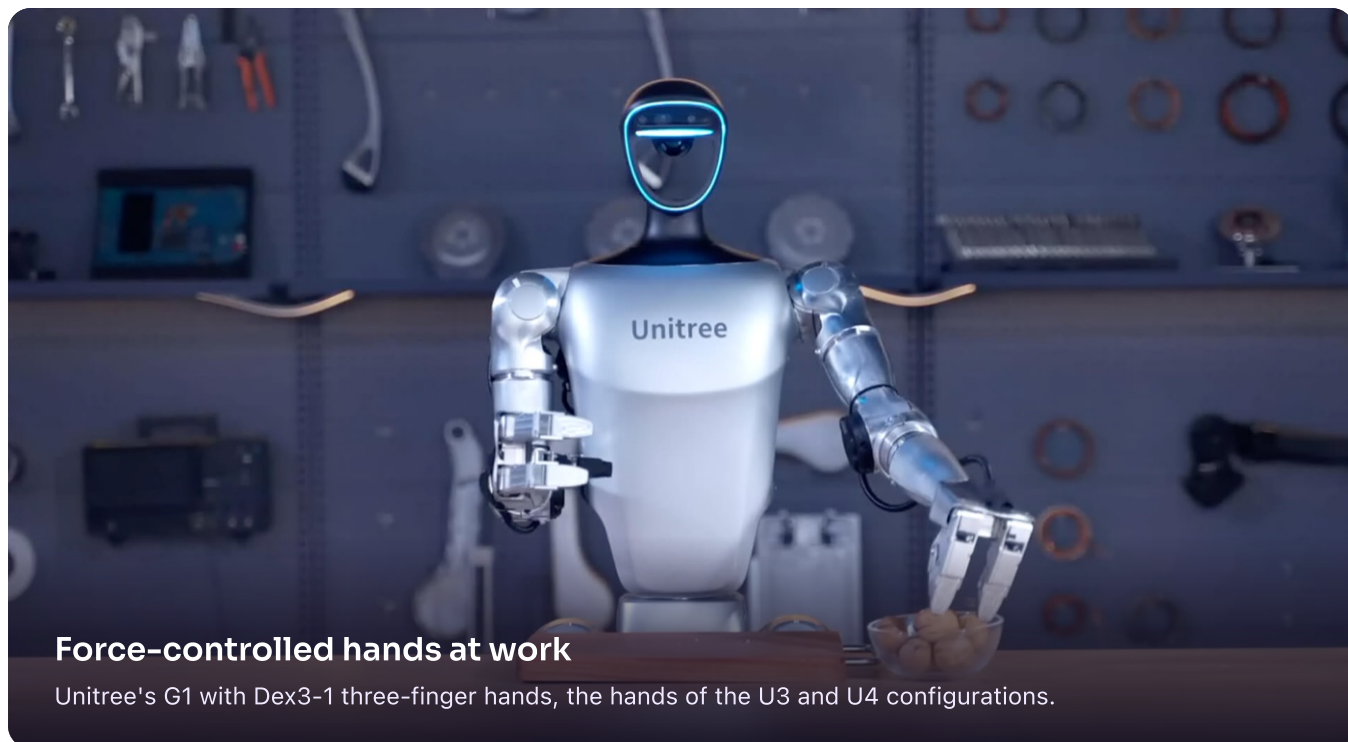
UNITREE'S G1 EDU ACCESSORIES

Hands and computing module as the configuration ordered. We confirm the full packing list with your quotation.

- Unitree G1 EDU robot in the configuration ordered
- Hands of that configuration, fitted
- 9000 mAh quick-release smart battery
- Battery charger, 54 V 5 A
- Handheld manual controller
- High-computing-power module of that configuration

Sources: unitree.com/g1 (G1 parameter table, G1 EDU column, and product graphics), unitree.com/Dex3-1, Inspire Robots' RH56-series documentation and BrainCo's Revo 2 parameter sheet, read September 2026. Figures are the manufacturers'; where a value is not published it is marked rather than estimated.

Built to move like a person



Force-controlled hands at work

Unitree's G1 with Dex3-1 three-finger hands, the hands of the U3 and U4 configurations.



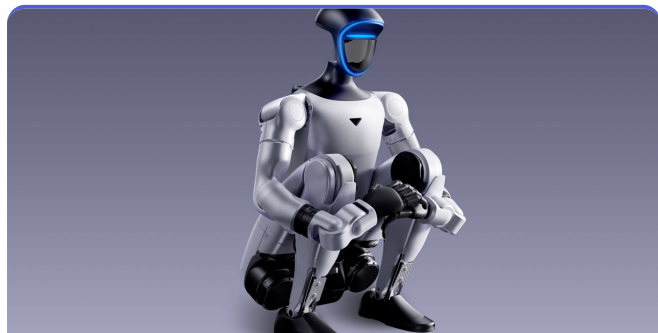
Walks where people walk

Up to 2 m/s, on a body that folds to 690 mm for transport and storage.



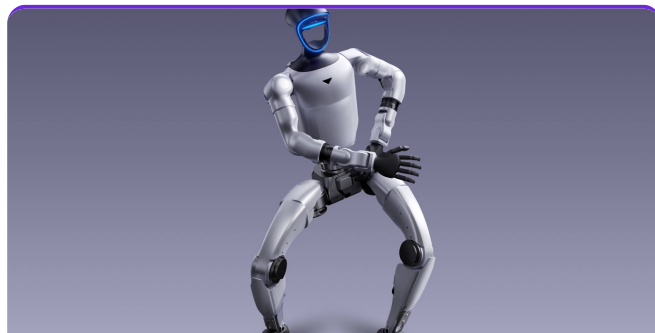
Whole-body dynamics

Low-inertia joints and dual encoders for fast, balanced whole-body movement.



Extra-large range of motion

Knees to 165°, hips to $\pm 154^\circ$ and a waist that turns $\pm 155^\circ$.



Human-like stance

Human proportions at 1.32 m, with arms and legs sized to people's spaces.

NEXT STEP

Choose your G1 EDU

Tell us what you are developing — locomotion, manipulation, teaching or demonstrations — and which hands you need. We will recommend the configuration and come back with a delivery estimate to your address and a formal quotation.

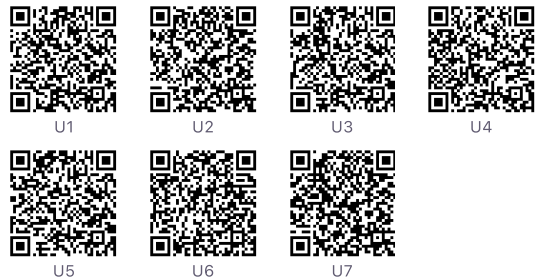
Request a quotation

Web · robotixmarket.com

Every configuration has its own page: scan its code.

Email · info@robotixmarket.com

Current prices for your market are on each product page; configuration and delivery are confirmed with your quotation. Robotix Market ships worldwide.



Sourced new

Supplied through established distribution channels.

Manufacturer warranty

Every robot ships with Unitree's manufacturer warranty and official documentation: 18 months on the G1 EDU per Unitree's published terms; the term for your configuration is confirmed with your quotation.

Support

Technical support is coordinated with the manufacturer's service network.

U1

Standard · Dummy hands

U2

Plus · Dummy hands

U3

Ultimate · Unitree Dex3-1

U4

Ultimate · Unitree Dex3-1 tactile

U5

Ultimate · Inspire five-finger

U6

Ultimate · Inspire five-finger tactile

U7

Ultimate · BrainCo Revo 2 Basic

Robotix Market is an independent supplier. Unitree, G1 and Dex are trademarks of Hangzhou Yushu Technology Co., Ltd. (Unitree Robotics); Inspire is a trademark of Beijing Inspire-Robots Technology Co., Ltd.; BrainCo and Revo are trademarks of BrainCo; NVIDIA and Jetson are trademarks of NVIDIA Corporation; used here to identify the products. Product imagery courtesy of Unitree Robotics; hand renders courtesy of their makers. Specifications are subject to change without notice; confirm at quotation.
© 2026 Robotix Market.

**ROBOTIX
MARKET**