



BIDYUT
INNOVATION

Unitree G1 Robot Series



ABOUT OUR COMPANY

Welcome to the Future of Robotics,
Bidyut Unitree Presents the
World's Most Advanced
Programmable Humanoid G1 at Your
Service.



G1 Basic Features

 **Dimensions**
1270x450x200 mm
4.4ft(Approx)

 **Arm payload**
2kg

 **Field of view**
Horizontalview : 360°
Vertical view : 59°

 **Knee Torque**
90N.m

 **Speed**
2 m/s

 **Weight**
35 kg(Approx)

 **Degree of freedom**
23

 **Sensing Sensor**
Depth Camera
3D LiDAR

 **Operating Time**
2 Hrs (approx)

 **Voice Function**
Speaker and
Microphone

Included in the pack

- Remote Controller
- Batteries (9000 mAh)x1
- Charger
- Calibrator x 1
- User Manual

Applications

- Education and STEM Learning
- Entertainment and Events



G1EDU U1

Features

The Unitree G1EDUU1 has the same features as G1 Basic with unique upgrades for better performance.



Arm payload
3 kg



Knee Torque
120N.m



Degree of freedom
23

- Waist: 1 DOF
- Arms: 5 DOF per arm .
- Legs: 6 DOF per leg.



Computing Power
8-core GPU NVIDIA Jetson
Orin NX (100Tops)
computing power for
secondary development



Included in the pack

- ✓ Remote Controller
- ✓ Batteries (9000 mAh)x1
- ✓ Charger
- ✓ Calibrator x 1
- ✓ Protection Frame

G1EDU U2

Features

The Unitree G1EDUU2 has the same features as G1 EDU U1 with unique upgrades for better performance.



Arm payload
3 kg



Knee Torque
120N.m



Degree of freedom
29

- Waist: 3 DOF
- Arms: 7 DOF per arm .
- Legs: 6 DOF per leg.



Computing Power
8-core GPU NVIDIA Jetson
Orin NX (100Tops)
computing power for
secondary development

Included in the pack

- ✓ Remote Controller
- ✓ Batteries (9000 mAh)x1
- ✓ Charger
- ✓ Calibrator x 1
- ✓ Protection Frame



G1EDU U3

Features

The Unitree G1EDUU3 has the same features as G1 EDU U2 with unique upgrades for better performance.

**Arm payload**

3 kg

**Knee Torque**

120N.m

**Degree of freedom**

43

- Waist: 3 DOF.
- Legs: 6 DOF per leg.
- Arms: 7 DOF per arm .

2 ,Dex3-1 force-controlled three-finger dexterous hands (excluding tactile sensor).

Total 14 DOF

**Computing Power**

8-core GPU NVIDIA Jetson
Orin NX (100Tops)
computing power for secondary development



Included in the pack

- ✓ Remote Controller
- ✓ Batteries (9000 mAh)x1
- ✓ Charger
- ✓ Calibrator x 1
- ✓ Protection Frame

G1EDU U4

Features

The Unitree G1EDUU4 has the same features as G1 EDU U3 with unique upgrades for better performance.



Arm payload
3 kg

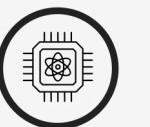


Knee Torque
120N.m



Degree of freedom
43

- Waist: 3 DOF .
 - Legs: 6 DOF per leg.
 - Arms: 7 DOF per arm.
- 2 ,Dex3-1 force-controlled three-finger dexterous hands (including tactile sensor).
Total 14 DOF



Computing Power
8-core GPU NVIDIA Jetson
Orin NX (100Tops)
computing power for secondary development



Included in the pack

- ✓ Remote Controller
- ✓ Batteries (9000 mAh)x1
- ✓ Charger
- ✓ Calibrator x 1
- ✓ Protection Frame

G1EDU U5

Features

The Unitree G1EDUU5 has the same features as G1 EDU U4 with unique upgrades for better performance.



Arm payload
3 kg



Knee Torque
120N.m



Degree of freedom
41

- Waist: 3 DOF .
 - Legs: 6 DOF per leg
 - Arms: 7 DOF per arm
- 2 ,five-finger dexterous hands from third party (RH56FTP-2R, RH56FTP-2L)
Total 12 DOF



Computing Power
8-core GPU NVIDIA Jetson Orin NX (100Tops)
computing power for secondary development



Included in the pack

- ✓ Remote Controller
- ✓ Batteries (9000 mAh)x1
- ✓ Charger
- ✓ Calibrator x 1
- ✓ Protection Frame



G1EDU U6

Features

The Unitree G1EDUU6 has the same features as G1 EDU U5 with unique upgrades for better performance.



Arm payload
3 kg



Knee Torque
120N.m



Degree of freedom
41

- Waist: 3 DOF .
- Legs: 6 DOF per leg
- Arms: 7 DOF per arm

2 ,five-finger dexterous hands from third party (RH56DFX-2R , RH56DFX-2L) including 17 tactile sensors in one hand.
Total 12 DOF



Computing Power
8-core GPU NVIDIA Jetson Orin NX (100Tops)
computing power for secondary development



Included in the pack

- ✓ Remote Controller
- ✓ Batteries (9000 mAh)x1
- ✓ Charger
- ✓ Calibrator x 1
- ✓ Protection Frame

G1EDU U7

Features

The Unitree G1EDUU6 has the same features as G1 EDU U5 with unique upgrades for better performance.



Arm payload
3 kg



Knee Torque
120N.m



Degree of freedom
41

- Waist: 3 DOF .
 - Legs: 6 DOF per leg
 - Arms: 7 DOF per arm
- Equipped with 2 - five finger hands
(Revo 2 Basic)



Computing Power
8-core GPU NVIDIA Jetson
Orin NX (100Tops)
computing power for
secondary development



Included in the pack

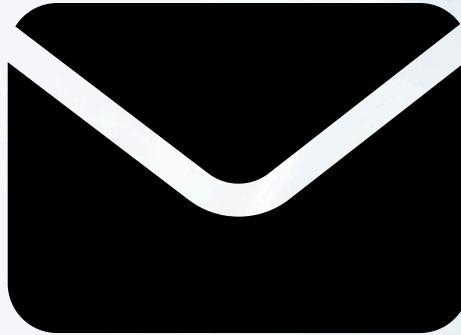
- ✓ Remote Controller
- ✓ Batteries (9000 mAh)x1
- ✓ Charger
- ✓ Calibrator x 1
- ✓ Protection Frame

CONTACT INFORMATION



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THANK YOU!