



EAGLEPROJECTS

Unitree

PHOTO	MODEL	FUNCTION
	G1 AIR	<ul style="list-style-type: none">• Height, width and thickness (standing): 1270x450x200mm• Height, width and thickness (folded): 690x450x300mm• Weight with battery: about 35kg• Total degrees of freedom (joint motor): 23• Degrees of freedom of one leg: 6• Degrees of freedom of waist: 1• Degrees of freedom of one arm: 5• Degrees of freedom of one hand: optional dexterous hand and double-degree-of-freedom wrist• Maximum torque of knee joint: 90N.m• Maximum load of arm: 2kg• Length of calf + thigh: 0.6m• Arm span: about 0.45m• "Super large joint movement space• Waist Z-axis joint: ± 155°• Knee joint: 0~165°• Hip joint: P± 154°, R-30~-+170°, Y± 158°"• All joints hollow internal wiring: Yes• Joint encoder: Dual encoder• Cooling system: Local air cooling• Power supply: 13 battery strings• Basic computing power: 8-core high-performance CPU• Perception sensor: Depth camera + 3D laser radar• WiFi 6, Bluetooth 5.2: Yes• Standard stereo speakers and microphone array• 1 charger, 1 smart battery (quick release)• 1 handheld remote control• Battery life: about 2h• Smart OTA upgrade: Supported• Secondary development: No• Warranty period: 8 months



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	G1-U1	<ul style="list-style-type: none">•All functions of the G1 basic version•Built-in expansion dock with 100Glops computing power, secondary development possible, including AI algorithms and technical support•Maximum torque of the knee joint upgraded to 120N.m•Maximum arm load upgraded to 3kg•Support high-level and low-level secondary development•Provide excellent technical support services, complete development manuals and ecological support•The whole machine has 23 degrees of freedom
	G1-U2	<ul style="list-style-type: none">•Possessing all the functions of the G1 Edu standard version•The waist degree of freedom has been upgraded from 1 to 3•The single arm degree of freedom has been upgraded from 5 to 7, and both arms have been upgraded•The whole machine has 29 degrees of freedom
	G1-U3	<ul style="list-style-type: none">•Equipped with all the functions of G1 Edu Advanced Edition•Equipped with 2 Dex3-1 force-controlled three-finger dexterous hands (without tactile)•The whole machine has 43 degrees of freedom
	G1-U4	<ul style="list-style-type: none">•Equipped with all the functions of G1 Edu Advanced Edition•Equipped with 2 Dex3-1 force-controlled three-finger dexterous hands (with tactile)•The whole machine has 43 degrees of freedom
	G1-U5	<ul style="list-style-type: none">•Equipped with all the functions of G1 Edu Advanced Edition•Equipped with 2 five-finger dexterous hands (RH56DFQ-2R, RH56DFQ-2L)•The whole machine has 41 degrees of freedom
	G1-U6	<ul style="list-style-type: none">•Equipped with all the functions of G1 Edu Advanced Edition•Equipped with 2 five-finger dexterous hands (RH56DFTP-2R, RH56DFTP-2L)•The whole machine has 41 degrees of freedom•The dexterous hands have tactile sense, and the number of tactile sensors on a single hand is 17

		
	G1-U7	<ul style="list-style-type: none"> •Equipped with all the functions of G1 Edu Advanced Edition •Equipped with 2 powerful five-finger dexterous hands Revo 2 Basic Edition (Revo 2 Basic) •The whole machine has 41 degrees of freedom •The whole machine has an 18-month warranty
	G1-U8	<ul style="list-style-type: none"> •Equipped with all the functions of the G1 Edu standard version •Equipped with 2 Dex3-1 force-controlled three-finger dexterous hands (without tactile) •The whole machine has 37 degrees of freedom •18-month warranty for the whole machine
	G1-U9	<ul style="list-style-type: none"> •Equipped with all the functions of the G1 Edu standard version •Equipped with 2 Dex3-1 force-controlled three-finger dexterous hands (with tactile sense) •The whole machine has 37 degrees of freedom •The dexterous hands have tactile sense, and the number of tactile sensors on each hand is 33 •18-month warranty for the whole machine
	G1-U10	<ul style="list-style-type: none"> •Equipped with all the functions of the G1 Edu Standard Edition •Equipped with 2 powerful five-finger dexterous hands Revo 2 Basic Edition (Revo 2 Basic) •The whole machine has 35 degrees of freedom •The whole machine has an 18-month warranty



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	G1 Remote	<ul style="list-style-type: none">•Charging voltage: 5V•Charging current: 2°Frequency: 2.4GHz•Communication method: data transmission module, Bluetooth•Running time: 4.5h•Remote control distance: more than 100m
	G1 Battery	<ul style="list-style-type: none">•Product size: 120mm*80mm*182mm•Rated capacity: 9000mAh•Self-developed battery management system (BMS)•Functions:<ul style="list-style-type: none">•power display•battery storage self-discharge protection•balance charging protection•overcharge protection•overcharge protection•over-discharge protection•short circuit protection•battery load detection protection
	G1 Charger	<ul style="list-style-type: none">•Product size: 210mm*108mm*48.2mm•Input power: 100-240V~50/60Hz 4A 350VA•Output power: 54V 5A
TBD	G1 arm motor	TBD
	G1 waist motor	TBD
	G1 leg motor	TBD
	Protective bracket (crane)	Universal humanoid robot G1, debugging protection bracket

	MID360 LiDAR	<ul style="list-style-type: none"> • Including bracket, including technical support service • Including customized cables • Power supply voltage range: DC 9-27V • Laser wavelength: 905mm • EOV: horizontal 360°, vertical -7°~52° • Including metal protection frame, including technical support service
	Depth Camera	<ul style="list-style-type: none"> • Brand: Intel • Model: realsense D435i • Including bracket • Including customized cable • Minimum depth distance: 40cm • Depth image resolution: 1280*720 @ 30fps; 848*480 @ 90 fps • Depth field of view: 86° * 57°
	G1-Head dual degree of freedom	<ul style="list-style-type: none"> • Depth camera realsense D455 • Degrees of freedom: 2 • P: -90°~+22.7°, Y: -50°~+50° • Including bracket • Including customized cable



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	Dex3-1 force-controlled three-finger dexterous hand	<ul style="list-style-type: none">• Strong power, high strength and high reliability, industry-level• 7 degrees of freedom for one hand: 3 active degrees of freedom for thumb; 2 active degrees of freedom for index finger; 2 active degrees of freedom for middle finger• You need to distinguish between left and right hands when placing an order• Note: This is the price for one hand. Generally, one G1 is equipped with two dexterous hands.• Note: This picture is a schematic diagram. The appearance and parameters at the time of delivery are subject to the actual product.
	Dex3-1 force-controlled three-finger dexterous hand (tactile version)	<ul style="list-style-type: none">• Strong power, high strength and high reliability, industry-level• 7 degrees of freedom for one hand: 3 active degrees of freedom for thumb; 2 active degrees of freedom for index finger; 2 active degrees of freedom for middle finger• Contains multi-point tactile array sensor• You need to distinguish between left and right hands when placing an order• Note: This is the price for one hand. Generally, one G1 is equipped with 2 dexterous hands• Note: This picture is a schematic diagram. The appearance and parameters at the time of delivery are subject to the actual product
	N/A	<ul style="list-style-type: none">• Degrees of freedom: 6; Number of joints: 12• Repeat positioning accuracy: ±0.20mm• Maximum gripping force of thumb: 6N; Maximum gripping force of four fingers: 4N; Gripping force resolution: 0.50N• Transverse rotation range of thumb> 65°; Thumb lateral swing speed: 235°/s; Thumb bending speed: 150°/s; Four-finger bending speed: 570°/s
	FTP 5	<ul style="list-style-type: none">• Degrees of freedom: 6; Number of joints: 12• Repeat positioning accuracy: ±0.20mm• Maximum fingertip output force: 30 N• Horizontal rotation range of thumb>85°; Angular velocity of thumb movement>130°/s; Angular velocity of four fingers movement>200°/s• Number of tactile sensors: 17• Note: This is the price and information for one hand. Generally, one G1 is equipped with two dexterous hands. You need to distinguish between the left and right hands when placing an order
	Revo 2	<ul style="list-style-type: none">• Weight: 383g• Whole hand grip: 50N, single finger pinch: 15N• Repeat control accuracy: 0.1°• Height (from the tip of the middle finger to the base of the palm) is 160mm



***Note:** This is the price and information for one hand. Generally, one G1 is equipped with two dexterous hands. You need to distinguish between the left and right hands when placing an order