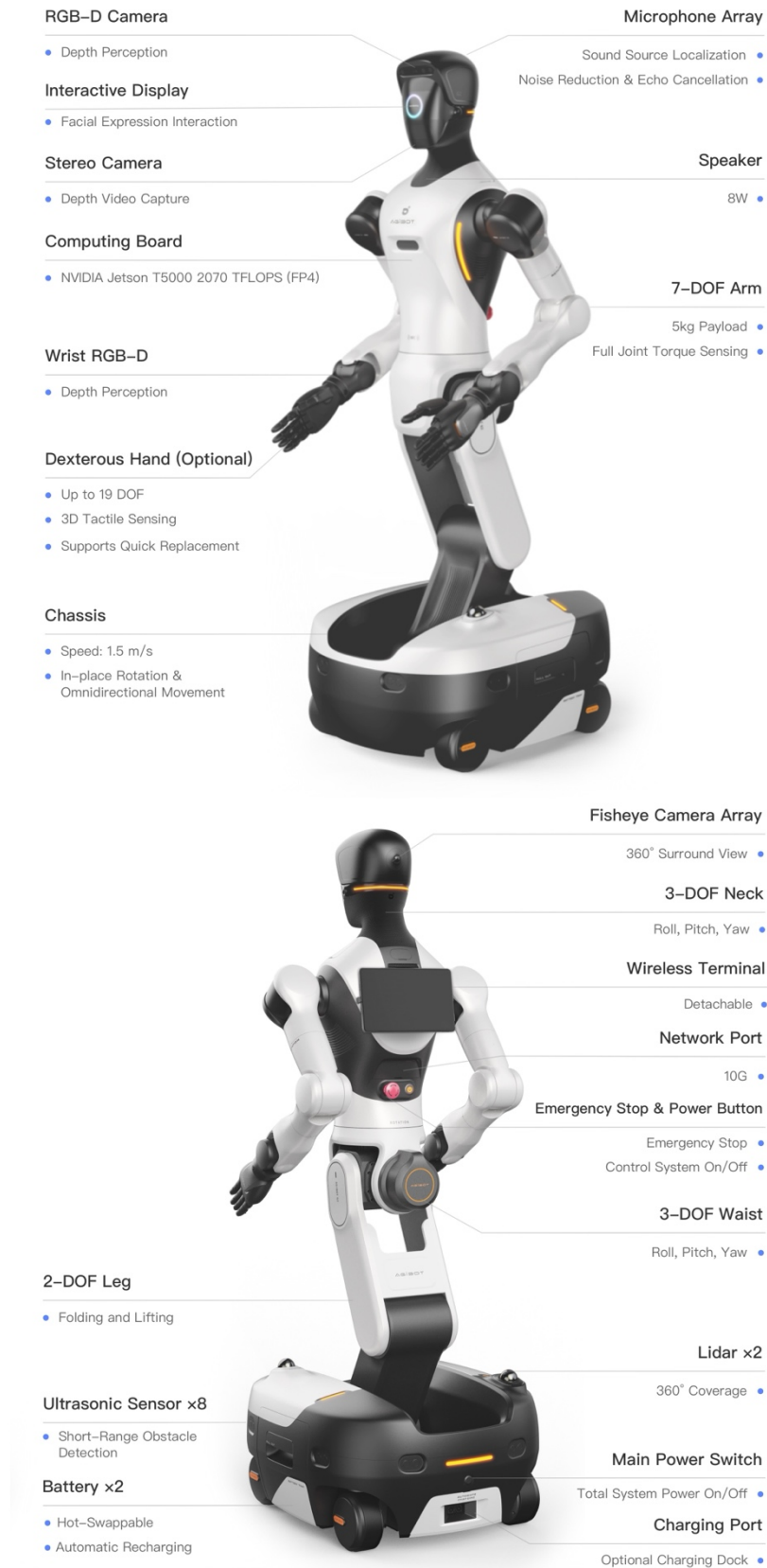


AGIBOT G2 SPECS

Basic Specifications	Dimensions	1225mm – 1795mm(H) 640mm(W) 760mm(L)
	Weight	185kg
	Active Degrees of Freedom	26
	Neck DOF	3
	Single Arm DOF	7
	Waist & Leg DOF	5
	Chassis DOF	4
Perception System	3D LiDAR	2
	Stereo Camera	1
	Fisheye Camera	3
	Head RGBD Camera	1
	Wrist RGBD Camera	2
Range of motion	Head Yaw	$\pm 90^{\circ}$
	Head Roll	$\pm 20^{\circ}$
	Head Pitch	$\pm 30^{\circ}$
	Waist Yaw	$\pm 174.5^{\circ}$
	Waist Roll	$\pm 25^{\circ}$
	Waist Pitch	$-110^{\circ} - 64^{\circ}$
	Knee	$0^{\circ} - 152^{\circ}$
	Ankle	$-62^{\circ} - 0^{\circ}$
	Arm1	$\pm 178^{\circ}$
	Arm2	$\pm 120^{\circ}$
	Arm3	$\pm 178^{\circ}$
	Arm4	$-145^{\circ} - 60^{\circ}$
	Arm5	$\pm 178^{\circ}$
	Arm6	$\pm 90^{\circ}$
	Arm7	$\pm 60^{\circ}$

Communication	Communication Methods	Wi-Fi, 4G/5G, Bluetooth, NFC
Interaction Modules	Microphone Array	Equipped
	Speaker	Equipped
	Facial Interaction Screen	Equipped
	Multi-Color Light Indicator	Equipped
Performance	Arm Rated Payload	5kg
	Arm Joint Torque Sensor	Equipped
	Chassis Speed	1.5m/s
	Chassis Movement Modes	Ackermann steering, Lateral Movement, In-place rotation
Power System	Number of Batteries	2
	Total Battery Capacity	1652Wh
	Endurance	Approx. 4 h
	Recharging Methods	Direct charging, battery swapping, autonomous recharging
	Charging Time	≤2h
	Charging Voltage	100 – 240V
	Charger Output	54.75V 15A
Intelligent Control	Computing Board	NVIDIA Jetson T5000 2070 TFLOPS (FP4)
Others	Handheld Wireless Terminal	Available
	Intelligent OTA Upgrade	Available
	Secondary Development	Supported
	Remote Wake-Up	Supported
	Whole-Machine Protection	IP42



1. Schematic for reference only, actual product may vary.
 2. End-effectors (e.g., 012 Dexterous Hand, OmniPicker) are optional extras.

Generation ROBOTS

By **NGX** ROBOTICS

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