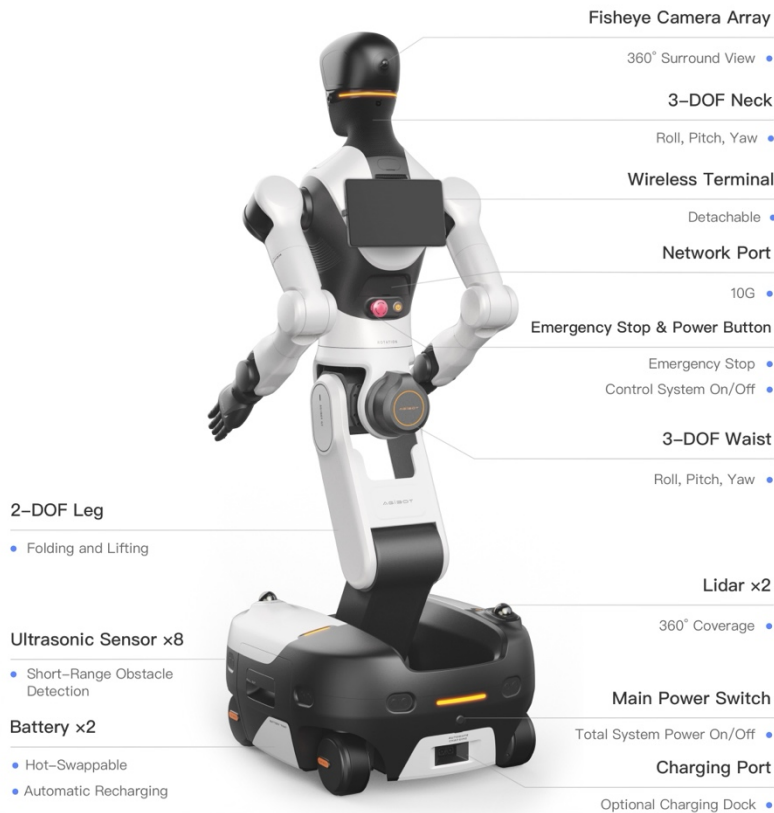
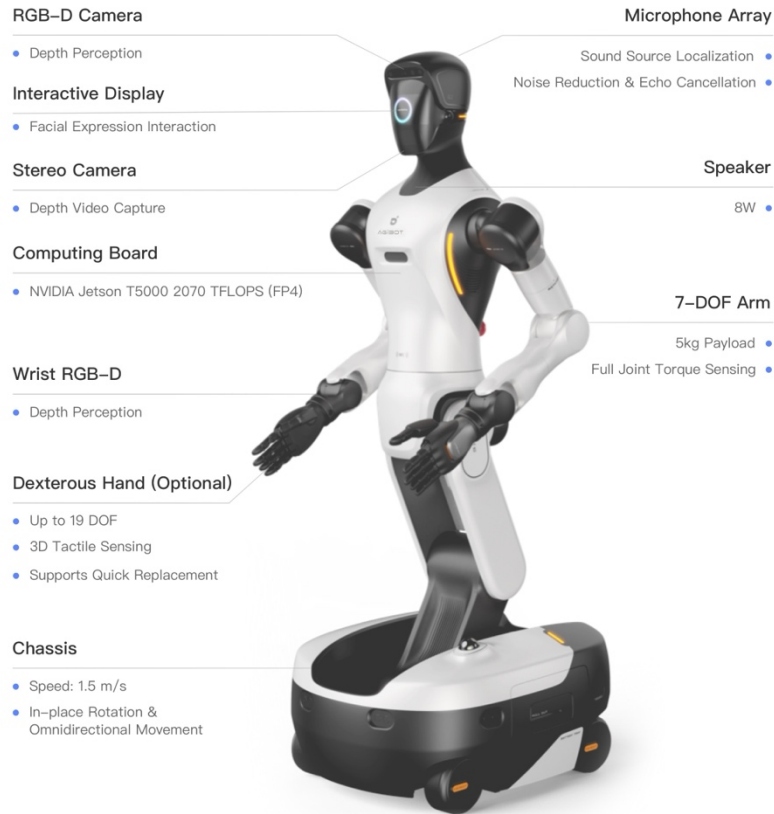


## AGIBOT G2 SPECS

<b>Basic Specifications</b>	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
	<b>Perception System</b>	3D LiDAR
Stereo Camera		1
Fisheye Camera		3
Head RGBD Camera		1
Wrist RGBD Camera		2
<b>Range of motion</b>	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	$\pm 60^\circ$	

<b>Communication</b>	Communication Methods	Wi-Fi, 4G/5G, Bluetooth, NFC
<b>Interaction Modules</b>	Microphone Array	Equipped
	Speaker	Equipped
	Facial Interaction Screen	Equipped
	Multi-Color Light Indicator	Equipped
<b>Performance</b>	Arm Rated Payload	5kg
	Arm Joint Torque Sensor	Equipped
	Chassis Speed	1.5m/s
	Chassis Movement Modes	Ackermann steering, Lateral Movement, In-place rotation
<b>Power System</b>	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
<b>Intelligent Control</b>	Computing Board	NVIDIA Jetson T5000 2070 TFLOPS (FP4)
<b>Others</b>	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.