

ROBOTIX MARKET

PRODUCT BROCHURE
2026 edition

AGIBOT · FULL-SIZE HUMANOID ·
ROBOTIX MARKET

AGIBOT A3 Ultra

**Commercial-grade humanoid
for reception, guided tours
and interaction**

Built on AGIBOT A3 motion and
interaction, with a new body
architecture for continuous operation
and versatile tasks.



Available worldwide from Robotix Market
robotixmarket.com

OVERVIEW

A full-size humanoid built to work

AGIBOT A3 Ultra is a commercial-grade, full-size humanoid for reception, guided tours and interaction. It inherits the motion and interaction of the AGIBOT A3 and adds a new body architecture: 360° perception, 700 TOPS of onboard compute, tactile Omnihands and a modular power system designed for continuous operation.

Sees all around

LiDAR, two RGB-D cameras, binocular interaction cameras and three fisheye cameras bring people, objects and terrain into one 360° view.

700 TOPS on board

The EmbodiedAI processor handles task decomposition, path planning and dynamic obstacle avoidance without manual remote control.

Built for long shifts

8 hours of standard battery life, autonomous charging, 10-second battery swaps and custom ADU air cooling.

Tactile Omnihands

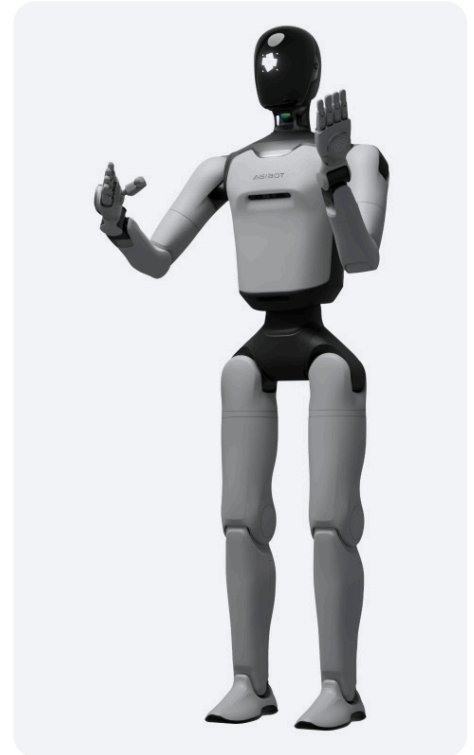
Up to 20 DOF per hand with omnidirectional tactile sensing, handling items from thin paper to 5 kg.

Indoors and outdoors

UWB indoor and RTK outdoor positioning to under ± 1 cm, dual-band global 5G and LinkBots fleet coordination.

Safe in shared spaces

3 m risk prediction, a contact-triggered stop, dual emergency stop and intelligent fall protection.



174 cm

HEIGHT

60 kg

WEIGHT

700 TOPS

ONBOARD
COMPUTE

8 h

STANDARD
BATTERY LIFE

10 s

BATTERY SWAP

Four jobs, one platform

WHAT IT DOES ON A SHIFT

Tours

Receive

Reception, guided tours, front-desk duty and visitor navigation

Retail

Assist

In-store guidance, brand events and customer engagement

RTK

Patrol

Park patrols and facility inspection with RTK positioning

Stage

Perform

Dance, formations and customised performances for events

Every system, working together

Head display & speakers

A head display, left and right speakers and a microphone

Interaction cameras

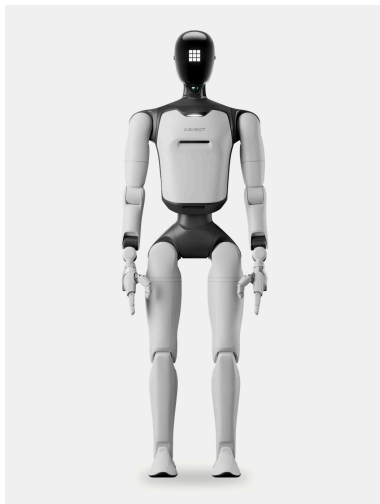
Wide-angle binocular RGB with left and right fisheye cameras

EmbodiedAI processor

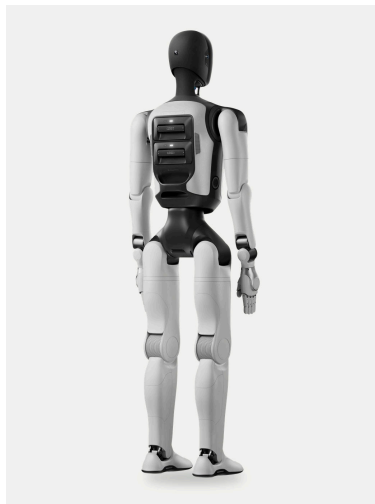
700 TOPS for perception, planning and obstacle avoidance

LiDAR and RGB-D

Chest and knee depth cameras for people, objects and terrain



FRONT



REAR

Rear fisheye & microphone

Completes the 360° view and all-round audio pickup

Dual battery bays

10-second battery swaps and autonomous charging

Shoulder touch sensors

Dual touch sensors for direct interaction

Hybrid frame

Magnesium alloy, carbon-fibre nylon and biomimetic feet

174 cm

HEIGHT

52 × 30 cm

WIDTH × DEPTH

60 kg

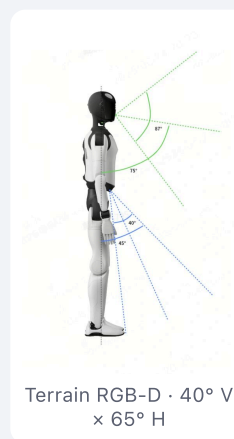
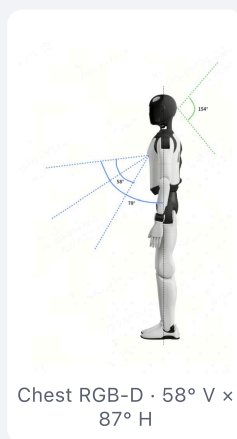
WEIGHT

7 · 6 · 3 DOF

PER ARM · PER LEG ·
WAIST

A complete view, in every direction

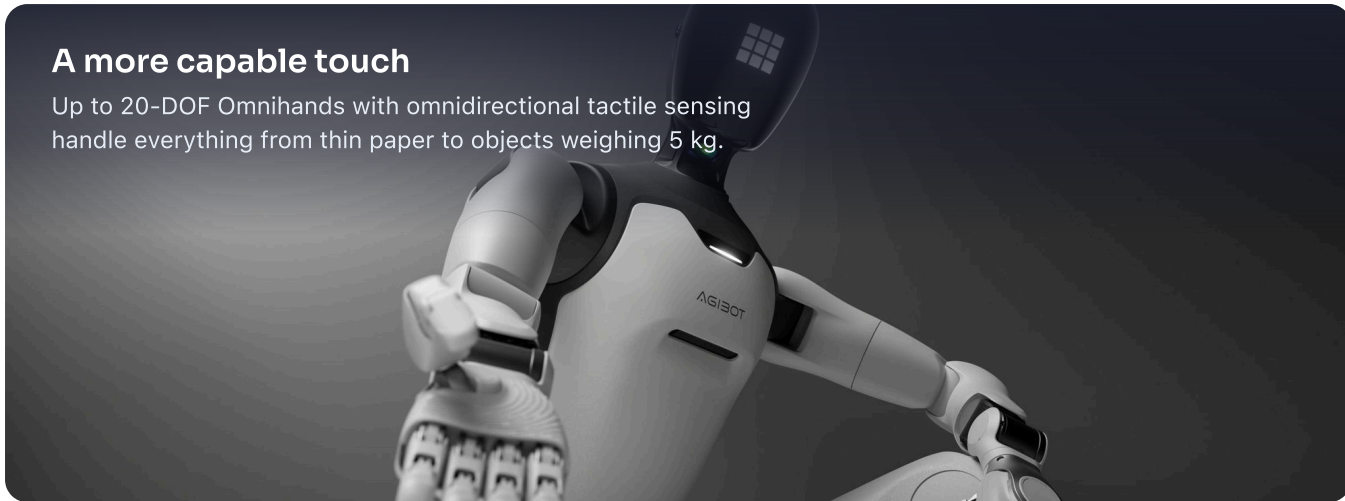
LiDAR, RGB-D and three wide-angle fisheye cameras bring people, objects and terrain into one surrounding view, with binocular RGB cameras (87° V × 114° H) for interaction.



What the Ultra adds

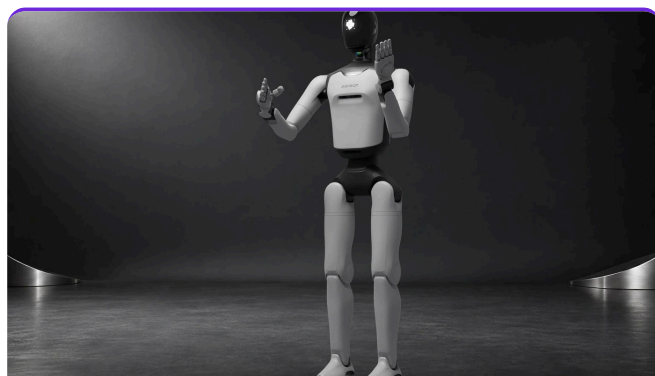
A more capable touch

Up to 20-DOF Omnihands with omnidirectional tactile sensing handle everything from thin paper to objects weighing 5 kg.



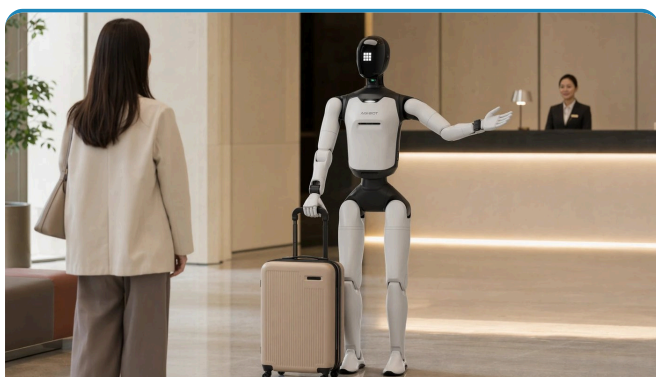
Designed for continuous operation

Autonomous charging, 10-second battery swapping and custom ADU air cooling keep it working, while 700 TOPS plans its own paths and avoids obstacles without remote control.



Four layers of protection

3-metre risk prediction, a contact-triggered stop, dual emergency stop and intelligent fall protection, validated by thousands of collision, drop and temperature tests.



Connected inside and out

Centimetre-level UWB indoors and RTK outdoors switch seamlessly; dual-band global 5G with dual eSIM and a physical SIM; LinkBots coordinates a hundred units.



Less setup, more service

Single-person deployment with autonomous box entry and exit, foldable storage and SUV transport, plus automatic fault diagnosis and a modular design.

One platform, six ways to work

Reception & guided tours

Showroom tours, hotel reception, front-desk duty and visitor navigation with configurable service workflows.

Shopping assistance

In-store guidance, brand-event interaction, commercial-district tours and customer engagement.

Patrol & inspection

Park patrols, facility inspection and environmental monitoring with RTK positioning.

Research & education

Embodied-AI research, education and secondary development through open interfaces.

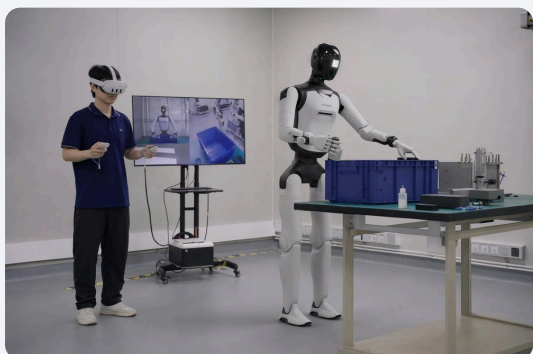
Data collection

One-stop data collection, training, evaluation and deployment for embodied AI.

Stage performance

Dance, formations and customised performances for commercial use and events.

Application scenes illustrate intended uses. As AGIBOT notes, workflows may require secondary development, model integration, environment configuration and validation, and actual performance varies by application. We agree the tasks and operating conditions with you before your quotation.



Learn. Adapt. Express.

Learns new skills from a single demonstration. AGIBOT LinkCraft creates custom motions and LinkSoul custom personas, and development versions open interfaces for motion customisation and system integration.

AGIBOT A3 Ultra at a glance

BODY & FRAME

Height	174 cm
Width × depth	52 × 30 cm
Weight	60 kg
Frame	Magnesium alloy + carbon-fibre nylon
Feet	Biomimetic foot design

MOTION & HANDS

Arms	7 DOF per arm
Legs	6 DOF per leg
Waist	3 DOF
Omnihands	Up to 20 DOF per hand · omnidirectional tactile sensing
Item handling	Thin paper to 5 kg

COMPUTE & PERCEPTION

Compute	EmbodiedAI processor · 700 TOPS
Perception	LiDAR + 360° surround view
RGB-D cameras	Chest (58° V × 87° H) and knee terrain (40° V × 65° H)
Interaction cameras	Wide-angle binocular RGB · 87° V × 114° H
Surround-view cameras	3 wide-angle fisheye: left, right and rear (side 154° V × 195° H)
Audio	Front and rear microphones · left and right speakers
Interaction	Head display · dual shoulder touch sensors

POWER

Standard battery life	8 h (equal time walking and standing)
Charging	Autonomous charging + 10-second battery swap
Batteries	Dual battery bays
Cooling	Custom ADU air cooling

POSITIONING & CONNECTIVITY

Positioning	UWB indoor + RTK outdoor
Positioning accuracy	< ±1 cm
Network	Dual-band global 5G · dual eSIM + physical SIM
Fleet control	AGIBOT LinkBots · hundred-unit coordination

DEPLOYMENT & SOFTWARE

Deployment	Single-person · autonomous box entry and exit
Transport	Foldable storage · SUV transport
Maintenance	Automatic fault diagnosis · modular design
Learning	New skills from a single demonstration
Development	Open interfaces · LinkCraft (motion) and LinkSoul (persona)

SAFETY & VALIDATION

Safety	3 m risk prediction · contact stop · dual emergency stop · fall protection
Validation	92-step inspection · collision, drop and temperature tests

IN THE BOX

Contents	No packing list published; confirmed with your quotation
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Sources: AGIBOT A3 Ultra product page on store.agibot.com (specifications, capability sections and FAQ), October 2026. All figures are the manufacturer's. Battery life, positioning accuracy and handling performance depend on configuration, task and operating conditions; continuous operation requires charging or battery swapping.

NEXT STEP

Put A3 Ultra to work

Tell us about your site and the work you have in mind: reception, tours, retail, patrol, research or the stage. We will come back with a configuration, a delivery estimate to your address and a formal quotation.

Request a quotation

Web · robotixmarket.com/products/agibot-a3-ultra-high-agility-interactive-humanoid-robot

Email · info@robotixmarket.com

Priced on request: we quote for your market, configuration and delivery address. Robotix Market ships worldwide.



Scan for the product page

Sourced new

Supplied through established distribution channels.

Manufacturer warranty

Every robot ships with the full AGIBOT manufacturer warranty and official documentation.

Support

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

AGIBOT A3 platform films

youtube.com/watch?v=VDej0ddfQd4 · youtube.com/watch?v=fJIV9WMKHCO · youtube.com/watch?v=WBdfC7HWmvk

These films show capabilities developed on the AGIBOT A3 platform; comparable A3 Ultra applications are not enabled by default and require secondary development.

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